TEAM ORION®

2010

WORLD CHAMPION PRODUCTS FOR
ELECTRIC AND NITRO RADIO-CONTROLLED MODELS

Team Orion.
High quality products.

Innovation is part of every Team Orion product. Matching batteries, revolutionizing the elec- tric motor design with the V2 technology, providing Lipo batteries compatible with the market demands and bringing the CRF technology to nitro engines; Team Orion's goal is to develop products wich are more attractive, have better performance and contained costs. Worldwide success proves we are on the right track.

Team Orion - **how it all started**

In 1987, after returning from the world championships in USA, Philippe Neidhart began matching cells using LavCo battery testers. A new era had begun in the RC industry.Team Orion was born and quickly imposed itself as the battery specialist, winning several world championships. In 1997 Oscar Jansen joined the company and in 2007 it was Adrien Bertin.This fur- ther increases the technical know-how of the company and ensures that Team Orion remains at the peak of technology. Today, Team Orion is a multinational company and its prod- ucts are synonym of performance, high quality standards and Swiss technology.

World Championshop Titles
★ World Champion Touring cars 2006
★ World Champion 1/12 2006
★ World Champion Touring cars 2004
★ World Champion Off-Road 4WD 2001
★ World Champion Off-Road 4WD1999
★ World Champion 1/10 On-Road 1996
★ World Champion Off-Road 2WD1995
★ World Champion Off-Road 4WD 1995
★ World Champion 1/12 1994

European Championship Titles
★ European Champion 1/8 Off-Road B 2009
★ European Champion1/12 2007
★ European Champion Off-Road 4WD 2007
★ European Champion 1/12 2006
★ European Champion Off-Road 2WD 2006
★ European Champion Touring cars 2006
★ European Champion Touring cars 2005
★ European Champion Off-Road 4WD 2005
★ European Champion Off-Road 4WD 2004
★ European Champion Off-Road 2WD 2001
★ European Champion Off-Road 4WD 2000
★ European Champion Off-Road 4WD 1999
★ European Champion Off-Road 2WD 1999

In 2009, Team Orion has won many races in all the classes: wether Off-Road or On-Road, electric or nitro-Team Orion products give you the winning Edge!

Team Orion **Headquarters**

Team Orion **Website**

World Record!

Did you know that Team Orion conquered the World Record for full scale electric car top speed?
The «White Lightning» was equipped with 6120 Team Orion matched cells powering two 150kW (400HP) motors. Running at the Bonneville Salt Flats, the car managed a top speed of 244 Mph (394km/h)!

Team Orion is Off-Road and On-Road World Champion

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Team Orion - **always up to date!**

Team Orion's R&D managers, Adrien Bertin (nitro) and Oscar Jansen (electric) Are responsible for Team Orion's products development. They attend all the important racing events, supporting our team of international drivers. Thanks to this, exciting new technologies are developed, such as CRF nitro engines, hard case LiPo batteries and now the new integrated balancing system IBS.

Powerful: Rocket Packs!

NEWEST NIMH TECHNOLOGY

WITH TAMIYA® OR TRX® CONNECTOR

HIGH QUALITY SILICONE WIRE

PROVEN TEAM ORION QUALITY

FOR CARS, BOATS AND PLANES

The Team Orion Rocket Packs are powerful, reliable, provide long runtimes and even look great. A wide range is available to ensure that you find the battery that suits your needs.

6 cells | 7.2V | Tamiya® connector

Runtime
Power

Rocket Pack 2700
ORI10301

Runtime
Power

Rocket Pack 3300
ORI10304

Runtime
Power

Rocket Pack 4500
ORI10308

Runtime
Power

Rocket Pack 5100
ORI10335

6 cells | 7.2V | TRX® connector

Runtime
Power

Rocket Pack 2700
ORI10320

Runtime
Power

Rocket Pack 4500
ORI10321

We recommend...

Charge your Rocket Pack batteries with our Team Orion Advantage Clubman charger (ORI30125) - high performance at a competitive price! If you also plan on using LiPo batteries, check out our Advantage Clubman LiPo charger (ORI30126).

Capacity
The higher the capacity, the longer the runtime. The capacity is expressed in milliamp hours (mAh). Rocket Packs are available with 2700, 3300, 4500 or 5100mAh capacity.

Voltage (number of cells)
The higher the amount of cells, the higher the output voltage. Higher voltage means more power! 6 cells is standard but if they fit your model, you can use 7 cells batteries to get more performance.

Connector
The Team Orion Rocket Packs are available with Tamiya® and TRX® connectors. Both systems are popular on the market. For high currents, we recommend the TRX® connector.

NiMH technology
Nowadays NiMH technology is well understood. Thanks to this, the batteries are stable and can safely be charged and discharged with any NiMH compatible charger.

Andy Moore's World Champion car

ROCKET PACK

7 cells | 8.4V* | Tamiya® connector

Runtime
Power
Rocket Pack 2700
ORI10322

Runtime
Power
Rocket Pack 3300
ORI10323

Runtime
Power
Rocket Pack 4500
ORI10324

Rocket Packs

- 7.2V or 8.4V Voltage
- Latest NiMH technology
- Wide range of capacities available
- Up to 150A peak discharge current
- High power output
- Inline assembly
- High quality 14awg silicone wire
- Tamiya or TRX connector
- Optimal price/performance ratio

7 cells | 8.4V* | TRX® connector

Runtime
Power
Rocket Pack 2700
ORI10329

Runtime
Power
Rocket Pack 3300
ORI10330

Runtime
Power
Rocket Pack 4500
ORI10331

Runtime
Power
Rocket Pack 5100
ORI10332

*Warning: 8.4V batteries are larger than 7.2V batteries. Make sure that they fit your model.

Best Price And High Performance!

Tamiya® connector

NIMH TECHNOLOGY

TAMIYA® CONNECTOR

HIGH QUALITY SILICONE WIRE

PROVEN TEAM ORION QUALITY

FOR CARS, BOATS AND PLANES

Charge your batteries and go. The Sport Power batteries offer high quality and power. Available in different capacities at a groundbreaking price. Tamiya type connectors and high quality 14awg silicone wires also come as standard.

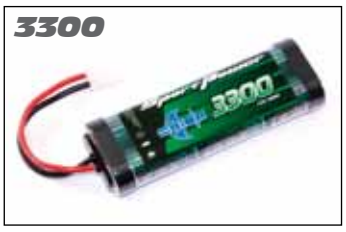
6 cells | 7.2V | Tamiya® connector

Runtime
Power

Sport Power 1800
ORI10338

Runtime
Power

Sport Power 2200
ORI10325



Runtime
Power

Sport Power 3300
ORI10326

Runtime
Power

Sport Power 4000
ORI10327

Runtime
Power

Sport Power 4500
ORI10347

We recommend...

Charge your Rocket Pack batteries with our Team Orion Advantage Clubman charger (ORI30125) - high performance at a competitive price! If you also plan on using LiPo batteries, check out our Advantage Clubman LiPo charger (ORI30126).

Our powerful stick packs also available in sets of two.

AFFORDABLE BATTTERY SET

NIMH TECHNOLOGY

TAMIYA® CONNECTOR

HIGH QUALITY SILICONE WIRE

PROVEN TEAM ORION QUALITY

You need two batteries for your starter box? Your car requires two batteries? Or you just want to have two batteries so that you can keep on running your car when your first battery goes flat? Buying a Super Duty battery set can fill in many purposes. The Super Duty sets are available in 2400mAh, 3000mAh and 3300mAh.

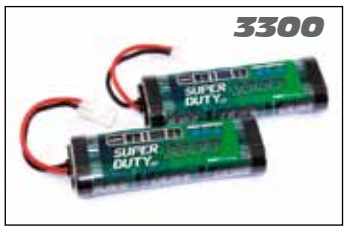
2x 6 cells | 7.2V | Tamiya® connector

Runtime
Power

Super Duty 2400 (2 Akkus)
ORI10900

Runtime
Power

Super Duty 3000 (2 Akkus)
ORI10901



Runtime
Power

Super Duty 3300 (2 Akkus)
ORI10902

We recommend...

Charge your Rocket Pack batteries with our Team Orion Advantage Clubman charger (ORI30125) - high performance at a competitive price!

Team Orion Super Duty Packs

- 7.2V NiMH Super Duty Racing Packs
- 2400mAh, 3000mAh and 3300mAh capacity
- Inline assembly
- High quality 14awg silicone wire
- Tamiya type connector
- Ideal for RTR cars and other accessories
- Sold in sets of 2 batteries

Applications for Super Duty battery sets

Starter Box

ORI88950 Off-Road Race Starter Box
ORI88951 On-Road Race Starter Box
ORI88952 Off-Road Pro Starter Box
ORI88953 On-Road Pro Starter Box

Longer runtime...

You want to run your car for a longer time - Get a set of super duty batteries and take advantage of the great prcing!

Cars with two batteries

Many cars requires two batteries to run. Get yourself a set of Super Duty batteries and off you go.

7 cell Power for Traxxas® cars

MADE TO FIT TRAXXAS® CARS

These batteries are designed to fit the Traxxas Rustler™, Bandit™ VXL and Slash™. But they also fit other car types.

TRX® connector

NIMH TECHNOLOGY

8.4V HIGH VOLTAGE!

TRX® CONNECTOR

7 CELL HUMP

PROVEN TEAM ORION QUALITY

Feel the need for more power and speed? you need a bigger battery! These are our 7 cell batteries designed for Traxxas® Rustler™, Bandit™ VXL, Slash™ and many other cars.

8.4V Hump Rocket Packs

Runtime
Power

Rocket Pack Hump 8.4V 2700mAh
ORI10339

Runtime
Power

Rocket Pack Hump 8.4V 3300mAh
ORI10340

Runtime
Power

Rocket Pack Hump 8.4V 4500mAh
ORI10341

Runtime
Power

Rocket Pack Hump 8.4V 5100mAh
ORI10342

All the Rocket Pack batteries are sold in a practical cardboard storage box.

ROCKET PACK

Even more Power for Traxxas® cars

MADE TO FIT TRAXXAS® CARS

These batteries are designed to fit the Traxxas Rustler™, Bandit™ VXL and Slash™. But they also fit other car types.

TRX® connector

NIMH TECHNOLOGY

9.6V HIGH VOLTAGE!

TRX® CONNECTOR

8 CELL HUMP

PROVEN TEAM ORION QUALITY

Thanks to another extra cell, these hump batteries reach a very high voltage, 9,6V! Even more extreme power and top speed!

Rocket Pack batteries in the practical Display-Box!

9.6V Hump Rocket Packs

2700

Runtime
Power

Rocket Pack Hump 9.6V 2700mAh
ORI10343

3300

Runtime
Power

Rocket Pack Hump 9.6V 3300mAh
ORI10344

4500

Runtime
Power

Rocket Pack Hump 9.6V 4500mAh
ORI10345

5100

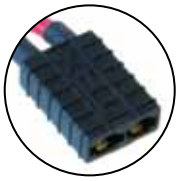
Runtime
Power

Rocket Pack Hump 9.6V 5100mAh
ORI10346

LiPo Stick Packs. The Original.

JST-XH
Balance connector

Deans® connector



TRX® connector

Tamiya® connector

LATEST LIPO TECHNOLOGY

WITH TRX®, DEANS® OR TAMIYA CONNECTOR

25C DISCHARGE CURRENT

PROVEN TEAM ORION QUALITY

FOR CARS, BOATS AND PLANES

Team Orion has packaged its LiPo batteries in a rounded, stick pack shaped carbon look plastic hard case! This way you can enjoy LiPo technology with maximum compatibility and safety.

2S | 7.4V | Tamiya® connector

Runtime
Power

LiPo Rocket Pack 2400
ORI14100

Runtime
Power

LiPo Rocket Pack 3000
ORI14101

Runtime
Power

LiPo Rocket Pack 3500
ORI14102

Runtime
Power

LiPo Rocket Pack 4000
ORI14103

2S | 7.4V | TRX® connector

Runtime
Power

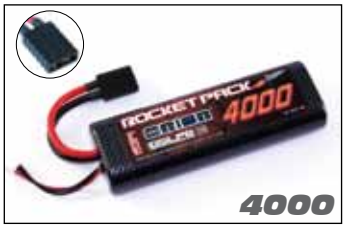
LiPo Rocket Pack 2400
ORI14108

Runtime
Power

LiPo Rocket Pack 3000
ORI14109

Runtime
Power

LiPo Rocket Pack 3500
ORI14110



Runtime
Power

LiPo Rocket Pack 4000
ORI14111

Capacity
The higher the capacity, the longer the runtime. The capacity is expressed in milliamp hours (mAh). LiPo Rocket Packs are available with 2400, 3000, 3500 and 4000mAh capacity.

Voltage
The Team Orion LiPo Rocket Packs are built using two LiPo cells. LiPo batteries have a higher voltage and are more efficient. Thanks to this they are much more powerful than NiMH batteries.

Connector
The Team Orion LiPo Rocket Packs are available with Tamiya®, Deans® and TRX® connectors. These are the most popular connectors on the market. For high currents, we recommend Deans® or TRX® connectors.

LiPo battery technology
Lithium Polymer is the highest performance battery technology. The Team Orion LiPo Rocket Packs are protected by a Carbon look plastic hard case and supply high levels of power!

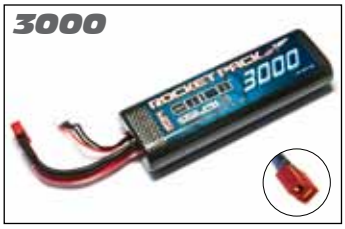
ROCKET PACK

The plastic hard case has rounded edges, this way it also fits the cars which are designed for regular NiCd/NiMH stick packs.

2S | 7.4V | Deans® connector

Runtime
Power

LiPo Rocket Pack 2400
ORI14104

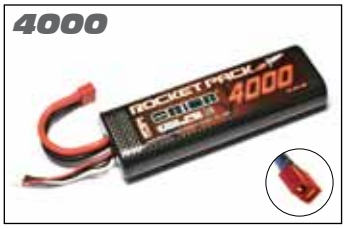


Runtime
Power

LiPo Rocket Pack 3000
ORI14105

Runtime
Power

LiPo Rocket Pack 3500
ORI14106



Runtime
Power

LiPo Rocket Pack 4000
ORI14107

LiPo-Infobox

What is the C Rate?
The C rate indicates the ability of the battery to supply energy. A battery with a higher C rate can be discharged faster and will have better performance. The charge C rate is the rate at which the battery is recharged, usually 1C (one time the capacity): a 4000mAh is charged at 4A for example.

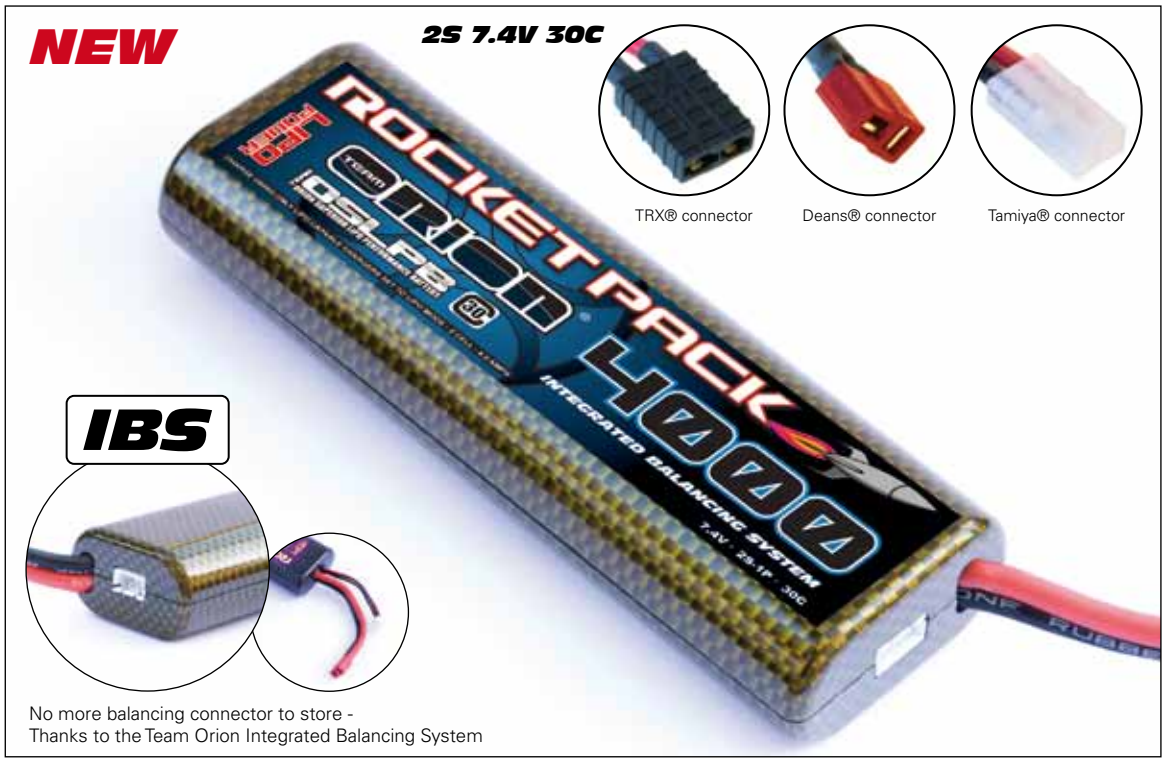
Team Orion LiPo Rocket LiPo Packs

- High power batteries for cars, boats and planes
- Longer runtime than with NiMH/NiCd batteries.
- 35% lighter than equivalent NiMH batteries
- Carbon look plastic hard case to protect the cells from damage
- The plastic hard case has rounded edges to fit the cars which are designed for standard NiCd/NiMH stick packs
- High quality silicone wire
- JST-XH balancing connector
- Available with Tamiya®, Deans® or TRX® connector.

We recommend...

Charge your batteries quickly and safely with the Team Orion Advantage Clubman LiPo charger!
ORI30126

New release!
Rocket Packs with IBS



INTEGRATED BALANCING SYSTEM (IBS)

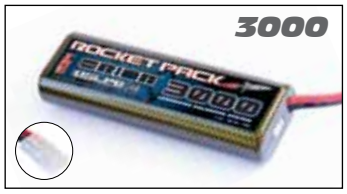
LATEST LIPO TECHNOLOGY

GOLD CARBON DESIGN

30C DISCHARGE

WITH TAMIYA®, DEANS® OR TRX® CONNECTOR

With the new IBS-System (Integrated Balancing System) Team Orion revolutionizes the RC world once again: no more balancing connector to take care of, now that is ease of use!



Fahrzeit
Power

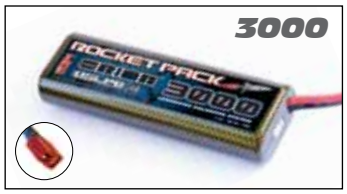
Rocket Stick Pack LiPo 3000 IBS Tamiya®
ORI14116

Fahrzeit
Power

Rocket Stick Pack LiPo 3500 IBS Tamiya®
ORI14117

Fahrzeit
Power

Rocket Stick Pack LiPo 4000 IBS Tamiya®
ORI14118



Rocket Stick Pack LiPo 3000 IBS Deans®
ORI14122

Rocket Stick Pack LiPo 3500 IBS Deans®
ORI14123

Rocket Stick Pack LiPo 4000 IBS Deans®
ORI14124

Rocket Stick Pack LiPo 3000 IBS TRX®
ORI14128

Rocket Stick Pack LiPo 3500 IBS TRX®
ORI14129

Rocket Stick Pack LiPo 4000 IBS TRX®
ORI14130

IBS

No more balancing connector to take care of , thanks to the Team Orion Integrated Balancing System

Every IBS battery comes with a separate JST-XH balancing adapter wire.

IBS Rocket Packs also rectangular shaped!

INTEGRATED BALANCING SYSTEM (IBS)

LATEST LIPO TECHNOLOGY

GOLD CARBON DESIGN

30C DISCHARGE

WITH TAMIYA®, DEANS® OR TRX® CONNECTOR

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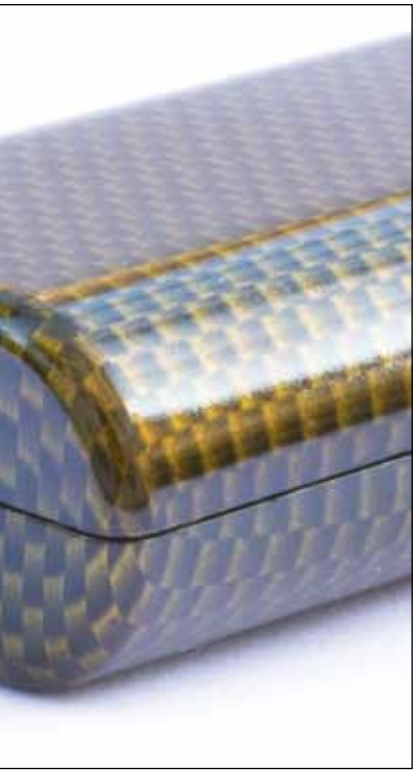


Fahrzeit
Power

Rocket Stick Pack LiPo 4600 IBS Tamiya®
ORI14119

Fahrzeit
Power

Rocket Stick Pack LiPo 5000 IBS Tamiya®
ORI14120

Fahrzeit
Power

Rocket Stick Pack LiPo 5400 IBS Tamiya®
ORI14121

Rocket Stick Pack LiPo 4600 IBS Deans®
ORI14125

Rocket Stick Pack LiPo 5000 IBS Deans®
ORI14126

Rocket Stick Pack LiPo 5400 IBS Deans®
ORI14127

Rocket Stick Pack LiPo 4600 IBS TRX®
ORI14131

Rocket Stick Pack LiPo 5000 IBS TRX®
ORI14132

Rocket Stick Pack LiPo 5400 IBS TRX®
ORI14133

Rocket Packs.
Now also with LiFe!

NEW BATTERY TECHNOLOGY

WITH TAMIYA®, DEANS® OR TRX® CONNECTOR

40C DISCHARGE

INCREASED SAFETY

LONG LIFE

The high performance LiFe technology now also as Rocket Packs. Long-life, high stability, very high discharge rate, LiFe technology has many interesting features.

2S | 6.6V | TRX® connector

ORI15108	Rocket Pack LiFe 2000 6.6 V 40C 12AWG
ORI15109	Rocket Pack LiFe 2500 6.6 V 40C 12AWG
ORI15110	Rocket Pack LiFe 2900 6.6 V 40C 12AWG
ORI15111	Rocket Pack LiFe 3100 6.6 V 40C 12AWG

2S | 6.6V | Deans® connector

ORI15104	Rocket Pack LiFe 2000 6.6 V 40C 12AWG
ORI15105	Rocket Pack LiFe 2500 6.6 V 40C 12AWG
ORI15106	Rocket Pack LiFe 2900 6.6 V 40C 12AWG
ORI15107	Rocket Pack LiFe 3100 6.6 V 40C 12AWG

2S | 6.6V | Tamiya® connector

ORI15100	Rocket Pack LiFe 2000 6.6 V 40C 12AWG
ORI15101	Rocket Pack LiFe 2500 6.6 V 40C 12AWG
ORI15102	Rocket Pack LiFe 2900 6.6 V 40C 12AWG
ORI15103	Rocket Pack LiFe 3100 6.6 V 40C 12AWG

Racing batteries. Newest technology.

NEW BATTERY TECHNOLOGY

WITH GOLD TUBES, DEANS® OR TRX® CONNECTOR

60C DISCHARGE

INCREASED SAFETY

LONG LIFE

With the Carbon Molecular LiFe batteries, we offer you the latest techonoly in Team Orion Quality! A complete range of capacities and formats with the most popular connectors.

2S | 6.6V | TRX® connector

ORI15008	Carbon Molecular LiFe Power Pack 3800 60C 6,6V (TRX® connector) 12AWG
ORI15009	Carbon Molecular LiFe Power Pack 3500 60C 6,6V (TRX® connector) 12AWG
ORI15010	Carbon Molecular LiFe Power Pack 3200 60C 6,6V (TRX® connector) 12AWG
ORI15011	Carbon Molecular LiFe Power Pack 2500 60C 9,9V (TRX Stecker) 12AWG

2S | 6.6V | Deans® connector

ORI15004	Carbon Molecular LiFe Power Pack 3800 60C 6,6V (Deans® connector) 12AWG
ORI15005	Carbon Molecular LiFe Power Pack 3500 60C 6,6V (Deans® connector) 12AWG
ORI15006	Carbon Molecular LiFe Power Pack 3200 60C 6,6V (Deans® connector) 12AWG
ORI15007	Carbon Molecular LiFe Power Pack 2500 60C 9,9V (Deans Stecker) 12AWG

2S | 6.6V | 4mm Gold tubes

ORI15012	Carbon Molecular LiFe Power Pack 3800 60C 6,6V (Gold tubes) 12AWG
ORI15013	Carbon Molecular LiFe Power Pack 3500 60C 6,6V (Gold tubes) 12AWG
ORI15014	Carbon Molecular LiFe Power Pack 3200 60C 6,6V (Gold tubes) 12AWG
ORI15015	Carbon Molecular LiFe Power Pack 2500 60C 9,9V (Gold tubes) 12AWG

Saddle Packs

ORI15000	3000 60C 6,6V | Deans®
ORI15001	3000 60C 6,6V | Gold tubes
ORI15002	4050 60C 6,6V | Deans®
ORI15003	4050 60C 6,6V | Gold tubes

Team Orion LiPo chargers can also charge LiFe batteries! Such as Team Orion Pro Spec (ORI30128)!

More performance for E-Revo® & Co.

NEW

MADE TO FIT TRAXXAS® CARS

TAKE 2 Use two batteries for maximal performance!

JST-XH
Balancing connector

TRX® connector

INNOVATIVE HARD CASE DESIGN

3 DIFFERENT SKINS INCLUDED

UP TO 45C DISCHARGE

2S AND 3S HIGH POWER BATTERIES

FOR TRAXXAS® E-REVO, SUMMIT 1/10 AND OTHERS

These LiPo batteries have been specifically designed for Traxxas® E-Revo® 1/10 cars. Thanks to the innovative hard case design, this Team Orion battery offers maximum performance, capacity and usage safety!

2S | 7.4V | TRX® connector

Runtime
Power

TRX Carbon LiPo 1/10 5200 | 40C | 7.4V
ORI14142

Runtime
Power

TRX Carbon LiPo 1/10 6400 | 35C | 7.4V
ORI14140

Runtime
Power

TRX Carbon LiPo 1/10 7000 | 35C | 7.4V
ORI14141

3S | 11.1V | 45C | TRX® connector

Runtime
Power ULTRA POWER

TRX Carbon LiPo 1/10 4000 | 45C | 11.1V
ORI14143

Runtime
Power ULTRA POWER

TRX Carbon LiPo 1/10 4700 | 45C | 11.1V
ORI14144

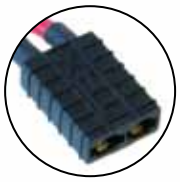
Team Orion Skins

Every TRX Carbon LiPo comes with 3 different skin designs. This way you can adapt the looks to your personal choice.

More performance for 1:16 scale

NEW

MADE TO FIT TRAXXAS® CARS


TRX® connector

JST-XH
Balancing connector

INNOVATIVE HARD CASE DESIGN

3 DIFFERENT SKINS INCLUDED

UP TO 45C DISCHARGE

2S AND 3S HIGH POWER BATTERIES

FOR TRAXXAS® E-REVO 1/16 AND OTHERS

These LiPo batteries have been specifically designed for Traxxas® E-Revo® 1/16 cars. Thanks to the innovative hard case design, this Team Orion battery offers maximum performance, capacity and usage safety!

2S | 7.4V | TRX® connector

Runtime
Power

TRX Carbon LiPo 1/16 1600 | 35C | 7.4V
ORI14145

Runtime
Power

TRX Carbon LiPo 1/16 1750 | 20C | 7.4V
ORI14146

Runtime
Power

TRX Carbon LiPo 1/16 1950 | 20C | 7.4V
ORI14147

3S | 11.1V | TRX® connector

Runtime
Power ULTRA POWER

TRX Carbon LiPo 1/16 1100 | 35C | 11.1V
ORI14149

Runtime
Power ULTRA POWER

TRX Carbon LiPo 1/16 1300 | 25C | 11.1V
ORI14148

Team Orion Skins

Every TRX Carbon LiPo comes with 3 different skin designs. This way you can adapt the looks to your personal choice.

Traxxas® TRX® High Current Connectors US Patent Nos. 7,374,460, 7,530,855, D573,536 and D576,557; Traxxas and TRX are registered trademarks of Traxxas, L.P.

LiFe Power for E-Revo® & Co.

INNOVATIVE HARD CASE DESIGN

3 DIFFERENT SKINS INCLUDED

UP TO 60C DISCHARGE

2S AND 3S HIGH POWER BATTERIES

FOR TRAXXAS® E-REVO, SUMMIT 1/10 AND OTHERS

Team Orion Carbon batteries for Traxxas® E-Revo® style cars are also available with the latest LiFe battery technology! Long-life, high stability, very high discharge rate, LiFe technology has many interesting features.

2S | 6.6V | 60C | TRX® connector

Runtime
Power

TRX Carbon LiFe 1/10 4500 | 60C | 6.6V
ORI15117

Runtime
Power

TRX Carbon LiFe 1/10 4000 | 60C | 6.6V
ORI15118

3S | 9.9V | 60C | TRX® connector

Runtime
Power ULTRA POWER

TRX Carbon LiFe 1/10 3300 | 60C | 9.9V
ORI15119

Runtime
Power ULTRA POWER

TRX Carbon LiFe 1/10 3000 | 60C | 9.9V
ORI15120

Carbon LiFe Batteries

LiFe batteries are very safe and capable of whitstanding very high charge and discharge rates. This means that you can charge your batteries very fast and have very high performance. The batteries feature the unique carbon look hard case designed for the Traxxas® E-Revo® style cars. Thanks to this you get the maximum capacity and performance that the battery compartment allows, while keeping high safety levels. LiFe batteries are very stable and will supply outstanding performance run after run. 3S batteries have better power and shorter runtime and 2S batteries have less power but longer runtime.

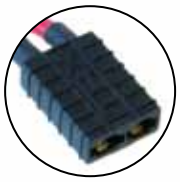
Team Orion Skins

Every TRX Carbon LiFe comes with 3 different skin designs. This way you can adapt the looks to your personal choice.

LiFe Technology for 1:16 scale cars

NEW

MADE TO FIT TRAXXAS® CARS


TRX® connector

JST-XH
Balancing connector

INNOVATIVE HARD CASE DESIGN

3 DIFFERENT SKINS INCLUDED

UP TO 60C DISCHARGE

2S AND 3S HIGH POWER BATTERIES

FOR TRAXXAS® E-REVO 1/16 AND OTHERS

The 1/16 Carbon batteries are also available with the latest LiFe battery technology! These high-performance batteries are especially designed for the Traxxas® 1/16 E-Revo® VXL.

2S | 6.6V | TRX® connector

Runtime
Power

TRX Carbon LiFe 1/16 1050 | 60C | 6.6V
ORI15123

3S | 9.9V | TRX® connector

Runtime
Power ULTRA POWER

TRX Carbon LiFe 1/16 700 | 60C | 9.9V
ORI15125

Picture © www.traxxas.com

Traxxas® TRX® High Current Connectors US Patent Nos. 7,374,460, 7,530,855, D573,536 and D576,557; Traxxas and TRX are registered trademarks of Traxxas, L.P.

The perfection of LiPo technology!

LATEST LIPO TECHNOLOGY

WITH GOLD TUBES, DEANS® OR TRX® CONNECTOR

45C DISCHARGE

3C CHARGE

SWISS DESIGN

In 2009 Team Orion decided to bring LiPo technology and performance to a new level. The Carbon Molecular LiPo batteries are the result of intensive testing and development. LiPo performance at it's peak!

2S | 7.4V | Deans® connector

Runtime
Power

Carbon Molecular 5400mAh
ORI14020

Runtime
Power

Carbon Molecular 5000mAh
ORI14021

Runtime
Power

Carbon Molecular 4600mAh
ORI14022

2S | 7.4V | TRX® connector

Runtime
Power

Carbon Molecular 5400mAh
ORI14024

Runtime
Power

Carbon Molecular 5000mAh
ORI14025

Runtime
Power

Carbon Molecular 4600mAh
ORI14026

We recommend...

Use the best charger available to charge your batteries! With the Team Orion Advantage Race Spec charger (ORI30127) you have the prefect device to ensure optimal performance run after run.

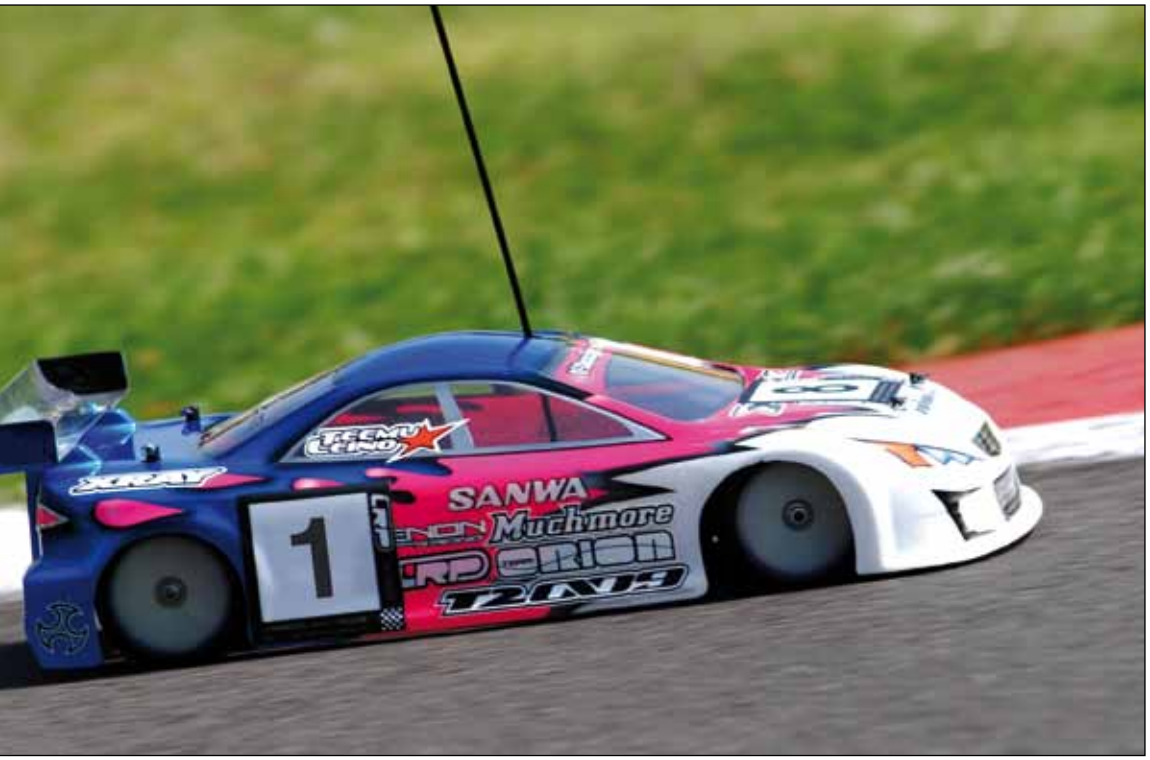
For increased safety we recommend using our "Battery Safe" LiPo bags. ORI43022 (Medium), ORI43022 (Large)

Means that these batteries carry the logo "Complying with EFRA rules"

45C technology
Team Orion has worked with the battery industry best engineers to develop batteries capable of delivering incredibly high currents! This is the 45C technology. Power without limits!

Carbon Hard case
Team Orion was the first to introduce the Carbon look hard case for LiPo batteries. The Carbon look hard case is good not only for looks but also for protecting the batteries against impacts and mechanical damage.

World Champion technology
Team Orion is a mutiple off-road and on-road World Championship winner. High performance, innovation and technology are key to racing success! You too can drive with the World Champion technology.



MULTI-ELECTRON ATOMS CARBON HE_2S MOLECULAR POWER

TEAM ORION SUPERIOR LIPO PERFORMANCE BATTERY

2S | 7.4V | 4mm Gold tubes

Runtime
Power

Carbon Molecular 5400mAh
ORI14028

Runtime
Power

Carbon Molecular 5000mAh
ORI14029

Runtime
Power

Carbon Molecular 4600mAh
ORI14030

3S* | 11.1V

Runtime
Power ULTRA POWER

Carbon Molecular 3800mAh | Deans®
ORI14023

Runtime
Power ULTRA POWER

Carbon Molecular 3800mAh | TRX®
ORI14027

Runtime
Power ULTRA POWER

Carbon Molecular 3800mAh | Gold tubes
ORI14031

Carbon Molecular batteries

- High performance LiPo battery
- Carbon Molecular Technology
- 45C discharge
- 3C charge
- 2S and 3S batteries available
- Racing legal
- Protective Carbon look hard case
- JST-XH or 2mm gold tube balancing connector

1S battery for 1:12 cars

Carbon Molecular 4200mAh 45C 3.7V
ORI14032

2S Saddle Pack batteries

Runtime
Power

Carbon Molecular 4500mAh | Deans®
ORI14014

Runtime
Power

Carbon Molecular 6000mAh | Deans®
ORI14016*

Runtime
Power

Carbon Molecular 4500mAh | Gold tubes
ORI14015

Runtime
Power

Carbon Molecular 6000mAh | Gold tubes
ORI14017*

*Warning: 11.1V batteries are larger than 7.4V batteries. Make sure that they fit your model..

High performance for 1/8 scale cars!

UP TO 40C DISCHARGE

CAPACITY UP TO 6900MAH

DEANS® CONNECTOR

UP TO 6S 22.2V

STANDARD AND XL SIZES

Team Orion Carbon Molecular LiPo performance for 1/8 scale cars. Available in standard size and XL size (maximum ROAR approved size)*.

1/8 Carbon Molecular LiPo | Standard size 48x48x139mm

Runtime
Power

1/8 Molecular Carbon LiPo 5100 | 40C | 14.8V | 4S
ORI14033

Runtime
Power

1/8 Molecular Carbon LiPo 3800 | 40C | 18.5V | 5S
ORI14034

Runtime
Power ULTRA POWER

1/8 Molecular Carbon LiPo 3200 | 40C | 22.2V | 6S
ORI14035

1/8 Carbon Molecular LiPo | XL size 52x52x165mm

Runtime
Power

1/8 Molecular Carbon LiPo 6900 | 30C | 14.8V | 4S
ORI14036

Runtime
Power

1/8 Molecular Carbon LiPo 5300 | 30C | 18.5V | 5S
ORI14037

Runtime
Power ULTRA POWER

1/8 Molecular Carbon LiPo 4300 | 30C | 22.2V | 6S
ORI14038

*May not fit all cars!

Micro batteries with mega power

NEW

MADE TO FIT TRAXXAS® CARS

For Traxxas® 1/16 E-Revo® VXL and 1/16 Slash® VXL

TAKE 2 Use two batteries for maximal performance!

BATTERIES FOR MICRO CARS

HIGH VOLTAGE CELLS

LATEST NIMH TECHNOLOGY

TRX® CONNECTOR

FOR TRAXXAS® 1/16 SCALE CARS AND OTHERS

The Supercharge NiMH batteries are specifically designed for the Traxxas® 1/16 E-Revo® VXL and 1/16 Slash® VXL cars. They use high voltage NiMH cells and are fitted with a TRX® connector.

Runtime
Power

Supercharge 1600 7.2V
ORI13002

Maximal runtime

The Supercharge NiMH batteries are specifically designed for the Traxxas® 1/16 E-Revo® VXL and 1/16 Slash® VXL cars. They use high voltage NiMH cells and are fitted with a TRX® connector. Using the Traxxas® Series Connector you can use two batteries together and achieve a voltage of 14,4V!

Features:
- Latest 1600mAh Team Orion NiMH cells
- Perfect fit inside the 1/16 E-Revo® VXL und 1/16 Slash® VXL cars
- TRX® high power connector
- High quality 16awg silicone wire
- Longer runtime
- Faster acceleration
- Higher top speed

Runtime
Power

Supercharge 1300 8.4V
ORI13003

Maximal power

The Supercharge NiMH batteries are specifically designed for the Traxxas® 1/16 E-Revo® VXL and 1/16 Slash® VXL cars. They use high voltage NiMH cells and are fitted with a TRX® connector. Thanks to a specially designed smaller size cells, you can now fit a 8.4V battery inside your battery compartments. This means more power and more fun!

Features:
- Special 1300mAh Team Orion NiMH cells
- Perfect fit inside the 1/16 E-Revo® VXL und 1/16 Slash® VXL cars
- TRX® high power connector
- High quality 16awg silicone wire
- Longer runtime
- Faster acceleration
- Higher top speed

Traxxas® TRX® High Current Connectors US Patent Nos. 7,374,460, 7,530,855, D573,536 and D576,557; Traxxas and TRX are registered trademarks of Traxxas, L.P.

MARATHON

Receiver packs for all applications!

NEW

1900mAh
1700mAh
1600mAh

SUPER HIGH CAPACITY

STABLE DISCHARGE CHARACTERIS-TICS

HIGH RELIABILITY

PROVEN TEAM ORION QUALITY

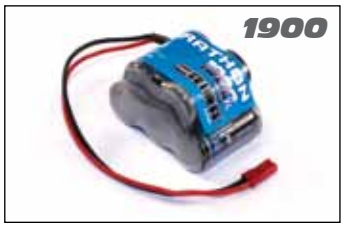
Team Orion now offers you the 1900XL receiver pack with a capacity of 1900mAh - a world's first! Marathon receiver packs are available in standard or hump configuration, with UNI or BEC connector.

Runtime

Marathon 1900XL Std | BEC connector
ORI12251

Runtime

Marathon 1900XL Std | UNI connector
ORI12252



Runtime

Marathon 1900XL Hump | BEC connector
ORI12253

Runtime

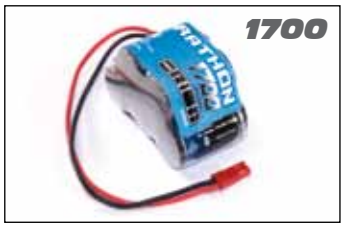
Marathon 1900XL Hump | UNI connector
ORI12254

Runtime

Marathon 1700 Std | BEC connector
ORI12241

Runtime

Marathon 1700 Std | UNI connector
ORI12242



Runtime

Marathon 1700 Hump | BEC connector
ORI12243

Runtime

Marathon 1700 Hump | UNI connector
ORI12244

Runtime

Marathon 1600 Std | BEC connector
ORI12240

Runtime

Marathon 1600 Std | UNI connector
ORI12228

Runtime

Marathon 1600 Hump | BEC connector
ORI12232

Runtime

Marathon 1600 Hump | UNI connector
ORI12227

New Technology for Receiver Packs.

6.6V LIFE RECIVER PACKS

NO VOLTAGE REGULATOR REQUIRED

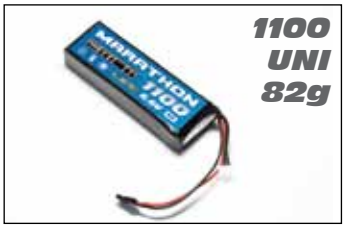
30C DISCHARGE

STANDARD SIZE

UNI & BEC STECKER

The new Marathon LiFe receiver packs have a voltage of 6,6 V, therefore they can be used without requiring a voltage regulator. Make your life easier thanks to this new battery technology!

Marathon LiFe Receiver Packs | 2/3A Std | 30C



Marathon LiFe Standard RX Pack 1100 30C 6.6V (UNI plug) 15.5x33.5x80mm | 2S | 82g
ORI12255

Marathon LiFe Standard RX Pack 1100 30C 6.6V (BEC plug) 15.5x33.5x80mm | 2S | 82g
ORI12256

- 6.6V voltage, no voltage regulator required!
- Available in standard or hump size
- Uni or BEC connector
- Lightweight
- HIgh stability and long life thanks to LiFe technology

Marathon LiFe Receiver Packs | 2/3A Hump | 30C

Marathon LiFe Hump RX Pack 1100 30C 6.6V (UNI plug) 30.5x32x51.5 550mm | 2S2P | 86g
ORI12257

Marathon LiFe Hump RX Pack 1100 30C 6.6V (BEC plug) 30.5x32x51.5 550mm | 2S2P | 86g
ORI12258

Refuelling is still a must, the Team Orion Marathon LiFe receiver packs take care of the rest!

AA and AAA rechargeable batteries for every application.

NIMH TECHNOLOGY

AA AND AAA SIZE

HIGH PERFORMANCE

PROVEN TEAM ORION QUALITY

FOR ALL TYPES OF APPLICATIONS

Team Orion's NiMH AA and AAA batteries, high performance for radio-controlled model applications but also for remote controls, MP3 players or any device that requires AA or AAA batteries.

Rechargeable NiMH Batteries

Runtime
Power

750SHO AAA batteries w/ plastic case
ORI13206

Runtime
Power

900HV AAA batteries
ORI13202

Runtime
Power

1100RT AAA batteries
ORI13201

Runtime
Power

2700 AA batteries
ORI13502

We recommend...

EZ Clubman 230V
ORI30400

EZ Pro-Am 230V
ORI30401

EZ Pro-Am Digital 12/230V
ORI30402

EZ Pro-Am Ultra Quick 12/230V
ORI30403

Ready to use AA and AAA batteries.

PRECHARGED BATTERIES

RECHARGEABLE EZ BATTERIES

AA AND AAA SIZE

PROVEN TEAM ORION QUALITY

FOR ALL TYPES OF APPLICATIONS

Team Orion also offers batteries that can be used out of the box, alkaline batteries and the rechargeable EZ batteries!

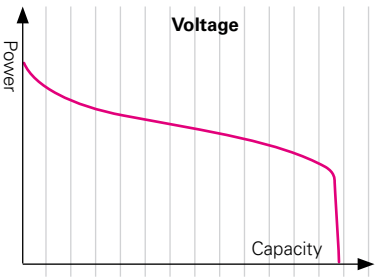
Rechargeable EZ batteries

Runtime
Power

EZ800 AAA Precharged Batteries
ORI13205

Runtime
Power

EZ2100 AA Precharged Batteries
ORI13503



The Team Orion batteries have a very flat discharge curve. This means stable power for your devices, from the start until the end.

Alkaline batteries

Runtime
Power

Alkaline AAA Batteries
ORI13601

Runtime
Power

Alkaline AA Batteries
ORI13600

Practical display box

Team Orion quality charge and discharge.

NIMH/NICD COMPATIBLE

1-10 CELLS

UP TO 6A CHARGE CURRENT

UP TO 1A DISCHARGE CURRENT

10 MEMORY PROFILES

The Clubman is the ideal entry level charger for discovering the 12V fast charge. With this charge you get all the features required for efficiently charging and discharging NiMH and NiCd batteries.

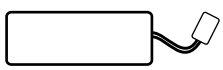
The Advantage name stands for precise and optimal charging using the latest technologies. The charger's software is designed using Team Orion's extensive battery knowledge. The microprocessor controlled charger functions are accessed using a practical touch keyboard. It's blue backlit LCD and modern case design increases the comfort of use.

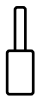
Thanks to it's 10 memory profiles, you can store the charge settings for all of your batteries. The delta-peak charge cut-off system ensures safe and reliable battery charging, charge after charge. Charging your NiMH or NiCd battery has never been easier.

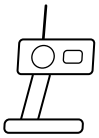
Team Orion Advantage Clubman

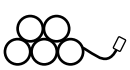
- Microprocessor controlled charger for NiMH & NiCd batteries
- 1 to 10 cells
- Linear charge current 0.1 – 6A
- Discharge up to 1A
- Storage charge function
- Automatic charge cutoff using delta-peak technology
- Extra safety sysetm interrupts battery charging when charged capacity reaches a preset value
- Adjustable discharge cut-off
- 10 memory profiles
- Easy to read, blue backlit LCD display
- Robust metal case
- Practical keypad
- Detailed instructions
- Easy to use

Designed for...


NiMH/NiCd 1-10 cells


Glow plug igniter


Transmitters


Receiver packs

Product details

Input voltage:	10-15V
Cell types:	NiMH/NiCd, 1-10 cells
Charge current:	0,1-6A for 1-6 cells 0,1-4A for 7-10 cells
Discharge current:	0,1-1A (5W)
Dimensions:	138x90x30mm
Part N°	ORI30125

LiPo and LiFe Ready!

NIMH/NICD AND LIPO/LIFE COMPATIBLE

1-4S LIPO/LIFE 1-10 CELLS NIMH/NICD

UP TO 6A CHARGE CURRENT

UP TO 1A DISCHARGE CURRENT

10 MEMORY PROFILES

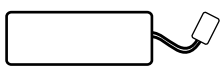
The Clubman LiPo is the ideal entry level charger for charging all the popular battery types. With it's integrated balancer it charges your 1s to 4S LiPo and LiFe batteries safely and efficiently.

The Advantage Clubman LiPo charger is future proof. This microprocessor controlled charger can charge all of todays popular battery types, LiPo, LiFe, NiMH and NiCd. With LiPo and LiFe batteries, the integraed balancer ensures that your battery is charged efficiently with high levels of safety and the storage charge function puts your batteries in optimal conditions for storage. Thanks to it's 10 memory profiles, you can store the charge settings for all of your batteries. The delta-peak charge cut-off system ensures safe and reliable battery charging, charge after charge.
The Advantage Clubman LiPo charger is a full featured charger with Team Orion technology at a entry level price.

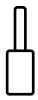
Team Orion Advantage Clubman LiPo

- Microprocessor controlled charger for NiMH, NiCd, LiPO & LiFe batteries.
- 1 to 10 cells NiMH/NiCd - 1 to 4 cells LiPo/LiFe
- Linear charge current 0.1 – 6A
- Discharge up to 1A
- Integrated balancer
- Exclusive storage charge function
- Automatic charge cutoff using delta-peak technology
- Extra safety sysetm interrupts battery charging when charged capacity reaches a preset value
- Adjustable discharge cut-off
- 10 profile memory
- Easy to read, blue backlit LCD display
- Robust metal case
- Practical keypad
- Detailed instructions
- Easy to use

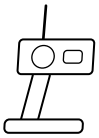
Geeignet für...



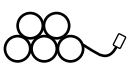
LiPo/LiFe 1-4 cells
NiMH/NiCd 1-10 cells



Glow plug igniter



Transmitters



Receiver packs

Product details

Input voltage:	10-15V
Cell types:	NiMH/NiCd, 1-10 cells LiPo/LiFe, 1-4 cells
Charge current :	NiMH/NiCD 1-6 cells: 0,1-6A NiMH/NiCD 7-10 cells: 0,1-4A LiPo/LiFe 1-2 cells: 0,1-6A LiPo/LiFe 3-4 cells: 0,1-4A

Discharge current: 0,1-1A (5W)
Dimensions: 138x90x30mm
Part N°: ORI30126

High performance charging!

NIMH/NICD AND LIPO/LIFE COMPATIBLE

1-4S LIPO/LIFE 1-10 CELLS NIMH/NICD

UP TO 10A CHARGE CURRENT

UP TO 10A DISCHARGE CURRENT

10 MEMORY PROFILES

The Advantage Race Spec charger has all the features you need to squeeze maximum performance out of your batteries. Up to 10A charge and discharge, adjustable delta-peak and many more indispensable features!

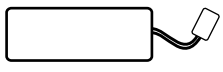
If you are a seasoned RC racer looking for a high performance charger, the Team Orion Race Spec charger is made for you! Electric R&D Manager Oscar Jansen has used the input from our racing team to develop this charger. The result is an easy to use, multi-purpose and efficient charger.

The Race Spec charges and discharges NiMH, NiCd, LiPo and LiFe batteries with a current of up to 10A. Adjustable delta-peak, integrated balancer, cycling mode and storage charge mode are few of the indispensable functions that are featured in this charger. Team Orion Racespec, the charger for todays high performance batteries.

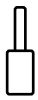
Team Orion Advantage Race Spec

- Microprocessor controlled charger for NiMH, NiCd, LiPO & LiFe
- 1 to 10 cells NiMH/NiCd - 1 to 4 cells LiPo/LiFe
- Linear charge current up to 10A
- Discharge up to 10A
- Integrated balancer
- Storage charge function
- Cycling mode
- Adjustable automatic delta-peak charge cutoff
- Adjustable discharge cut-off
- Extra safety system interrupts battery charging when charged capacity reaches a preset value
- 10 memory profiles
- Easy to read, blue backlit LCD display
- Robust metal case
- Practical keypad
- Detailed instructions
- Easy to use

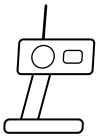
Designed for...



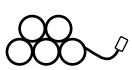
LiPo/LiFe 1-4 cells
NiMH/NiCd 1-10 cells



Glow plug igniters



Transmitters



Receiver packs

Product details

Input voltage :	10-15V
Cell type :	NiMH /NiCd, 1-10 cells LiPo/LiFe 1-4 cells
Charge current :	NiMH,/NiCD 1-10 cells: 0,2-10A LiPo/iFe 1-4 cells: 0,2-10A
Discharge current :	0,2-10A (75W)
Dimensions :	155x120x50mm
Part N° :	ORI30127

Top of the range functionality.

NIMH/NICD AND LIPO/LIFE COMPATIBLE

1-6S LIPO/LIFE 1-16 CELLS NIMH/NICD

UP TO 10A CHARGE CURRENT

UP TO 10A DISCHARGE CURRENT

10 MEMORY PROFILES

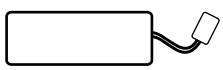
With the Advantage Pro Spec charger, all your wishes are fullfilled. This charger handles up to 6S LiPo/LiFe batteries and up to 16 cells NiMH/NiCd batteries. This charger takes care of all your charging needs!

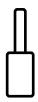
If you need to charge LiPo/LiFe batteries with up to 6 cells and NiMH/NiCd batteries with up to 16 cells. this charger can take care of that. With it's charge current of up to 10A it can also do it quickly! Thanks to the Advantage charging technology, you will have optimal results wether you are using your batteries inside cars, planes, helicopters or boats. Adjustable delta-peak, integrated balancer, cycling mode and storage charge mode are few of the indispensable functions that are featured in this charger.
The Team Orion Pro Spec is the charger without limits!

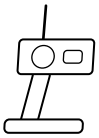
Team Orion Advantage Pro Spec

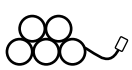
- Microprocessor controlled charger for NiMH, NiCd, LiPO & LiFe
- 1 to 16 cells NiMH/NiCd - 1 to 6 cells LiPo/LiFe
- Linear charge current up to 10A
- Discharge up to 10A
- Integrated balancer
- Storage charge function
- Cycling mode
- Adjustable automatic delta-peak charge cutoff
- Adjustable discharge cut-off
- Extra safety system interrupts battery charging when charged capacity reaches a preset value
- 10 memory profiles
- Easy to read, blue backlit LCD display
- Robust metal case
- Practical keypad
- Detailed instructions
- Easy to use

Designed for...


LiPo/LiFe 1-6 cells
NiMH/NiCd 1-16 cells


Glow plug igniters


Transmitters


Receiver packs

Product details

Input voltage:	10-15V
Cell types:	NiMH/NiCd, 1-16 cells LiPo/LiFe, 1-6 cells
Charge current :	NiMH/NiCD 1-10 cells: 0,2-10A NiMH/NiCD 10-16 cells: 0,2-5A LiPo/LiFe 1-4 cells: 0,2-10A LiPo/LiFe 5-6 cells: 0,2-5A

Discharge current: 0,1-10A (75W)
Dimensions:155x120x50mm
Part N°: ORI30128

High-Tech Charging for Two Batteries!

NIMH/NICD AND LIPO/LIFE COMPATIBLE

1-6S LIPO/LIFE 1-16 CELLS NIMH/NICD

CHARGE & DISCHARGE 2 BATTERIES

UP TO 20A CHARGE CURRENT

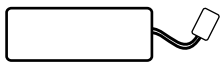
10 MEMORY PROFILES

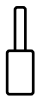
The Team Orion Advantage TwinSpec Charger features the Advanced Twin Charge System which allows the simultaneous charge or discharge of two batteries with currents of up to 20A!

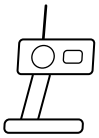
Team Orion's TwinSpec charger has two individual channels which can be setup and used independently one from another. This means that you can charge a LiPo battery on one channel and a NiMH battery on the other one. You can also charge a battery on one channel and discharge another battery on the other channel, all at the same time. During use you can easily switch from one channel to another, just by pressing a key. This is flexibility of use!
The Advantage Twinspec charger can charge and discharge LiPo/LiFe/NiMH/NiCd batteries with a current of up to 20A for charging and 10A for discharging. For safe LiPo and LiFe charging, the charger is equipped with an integrated balancer for each channel. There is a storage charge mode which prepares the batteries for storage, a cycling mode and discharge mode. The charger is also equipped with temperature probes which allow you to monitor the batteries temperature. About every parameter is adjustable and all the charge and discharge data is automatically stored for later review.
The Advantage TwinSpec is the ideal charger for the enthusiast who wants the best that technology can offer.

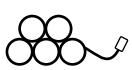
- Microprocessor controlled dual charger for NiMH, NiCd, LiPO & LiFe
- 1 to 16 cells NiMH/NiCd - 1 to 6 cells LiPo/LiFe
- Charge or discharge two batteries simultaneously
- Two independent channels
- Linear charge current up to 20A
- Discharge up to 10A
- Integrated balancer
- Charge and discharge data storage for later review
- Storage charge function
- Cycling mode
- Adjustable automatic delta-peak charge cutoff
- Adjustable max peak voltage
- Adjustable discharge cut-off
- Adjustable max charged capacity
- Temperature monitoring and cut-off
- Easy to read, blue backlit LCD display
- Robust metal case
- Practical keypad
- Detailed instructions

Designed for...


LiPo/LiFe 1-6 cells
NiMH/NiCd 1-16 cells


Glow plug igniters


Transmitters


Receiver packs

Product details

Input voltage :	10-15V
Cell type (per channel):	NiMH /NiCd, 1-16 cells, LiPo/LiFe 1-6 cells
Charge current :	0.1A to 20A
Discharge current :	0.1A to 10A
Dimensions :	160x159x53mm
Weight :	1270g
Part N° :	ORI30153

Charging made easy.

NEW

CHARGES 2S AND 3S LIPO

110-240VAC INPUT VOLTAGE

UP TO 700MA CHARGE CURRENT

FULLY AUTOMATIC

COMPACT SIZE

The Advantage IQ240 charger is compact, easy to use and best of all it is powered directly of a mains power outlet. The charger also automatically balances your batteries, improving performance and safety!

The Advantage IQ240 charger can be used with an input voltage of 110 to 240VAC. This means that it can be powered by mains power outlets anywhere in the world. Three versions are available with different power cords (EU, UK and USA). The Advantage IQ240 charges 2S and 3S LiPo batteries with up to 700mA and thanks to the integrated balancer, it delivers precise and safe charging. The compact size makes this charger ideal for travelling. This charger is ideal for our Rocket Packs LiPo and Avionics LiPo up to 4000mAh.
We also offer a special combo for the Kyosho Airium, which includes an Avionics 450mAh 7.4V 30C LiPo battery.

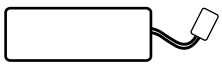
Team Orion Advantage IQ240

- Microprocessor controlled charger for LiPO
- Uses mains power, 110-240V
- Up to 700mA charge current
- Integrated Balancer
- Fully automatic CC/CV charge
- Robust case
- 3 LED charge status display
- Compact site
- Power cord included

Combo with LiPo battery

for Kyosho Airium aircraft, IQ240 Combo w/ Avionics LiPo 450mAh 7.4V (30C)
ORI30151 with EU connector
ORI30152 with UK connector

Designed for...



2S and 3S LiPo batteries

Product details

Input voltage:	110-240VAC
Cell type:	LiPo, 2 or 3 cells
Charge current :	Up to 700mA
Battery connector :	JST-XH balancing connector
Balancer :	Integrated
Dimensions :	34x58x92mm
Weight :	108g
Part N° :	ORI30147 (EU), ORI30148 (UK), ORI30149 (USA)

Chargers for AA and AAA batteries.

EZ Clubman 230V
ORI30400

With 4 EZ2100 AA Batteries
ORI32400

With EZ800 AAA Batteries
ORI32404

EZ Clubman 230V

Charge speed **12 Hours**

The Team Orion EZ Clubman charger is a simple 230VAC charger with four independent charge channels which can be used simultaneously. Each charge channel has its own LED to indicate the charge status. It can charge AA and AAA cells whether NiMH or NiCd, therefore different types of cells can be charged simultaneously. The special shape of the cell holders ensure that the cells are always fitted properly.

Input : 230VAC, cell type : NiMH/NiCd, cell size : AA/ AAA, charge current : AA 120mAH, AAA 70mAh.

EZ Pro-Am 230V
ORI30401

Inkl. 4 EZ2100 AA Batteries
ORI32401

Inkl. 4 EZ800 AAA Batteries
ORI32405

EZ Pro-Am 230V

Charge speed **2 Hours**

The Team Orion Pro-Am is another charger with a long list of features, 230VAC power supply and four single cell independent charge channels which can be used simultaneously. Each charge channel has its own dual-color LED. The charger can charge AA and AAA cells, NiMH or NiCd.
The Pro-Am charger uses a delta-peak charge cut-off system to stop the charge once the batteries are full.

Input : 110-230VAC, cell type : NiMH/NiCd, cell size: AA/AAA, charge current : AA 1000mA (2 cells) / 500mA (4 cells), AAA 600mAh (2 cells) / 300mA (4 cells),

EZ Pro-Am Digital 12/230V
ORI30402

With 4 EZ2100 AA Batteries
ORI32402

With 4 EZ800 AAA Batteries
ORI32406

EZ Pro-Am Digital 12/230V

Charge speed **1 Hours**

The Team Orion Pro-AM Digital is a convenient high performance charger. It can be powered with 230VAC or 12VDC, therefore you can use it at home or on the road.
The Pro-Am charger can charge AA and AAA cells whether they are NiCd or NiMH. Another great feature it the refresh function, this function allows you to discharge your cells to cancel memory effects.
With the 0V jumpstart function, the charger can even recharge cells which are over discharged.

Input : 12VDC/110-230VAC, cell type : NiMH/NiCd, cell size: AA/AAA, charge current : AA 2200mA, AAA 800mAh

EZ Pro-Am Ultra Quick 12/230V
ORI30403

With 4 EZ2100 AA Batteries
ORI32403

With 4 EZ800 AAA Batteries
ORI32407

EZ Pro-Am Ultra Quick 12/230V

Charge speed **15 MInutes**

The Team Orion Pro-Am Ultra Quick is the most powerful charger of the line. With a charge current of 7A for AA and 3A for AAA, it is designed to fast charge our high-power AA and AAA batteries. With this charger you can charge your batteries in 15 minutes or less. The Pro-Am Ultra can work with 230VAC or 12VDC, therefore you can use it whether you are at home or on the road. Even old and over discharged cells can be safely charged thanks to the 0V jumpstart function.

Input : 12VDC/110-230VAC, cell type : NiMH/NiCd, cell size : AA/AAA, charge current : AA 7000mA, AAA 3000mA

Light up your Workbench in Style.

NEW
ORI43024 12VDC
ORI43025 w/100-240VAC main adapter

- **12VDC AND 100-240VAC**
- **POWERFUL WHITE LED**
- **COMPACT SIZE AND LIGHT WEIGHT**
- **MADE OUT OF ALUMINUM**
- **INTERNATIONAL ADAPTER SET INCLUDED**

The Team Orion LED light is the ideal solution for your workbench. It has a ON/OFF switch and works with 12VDC. It is also available with a 100-240VAC mains power adapter (w/adapters for all countries).

Ideal Battery Care.

NEW
ORI30136

- **FOR 1S-6S LIPO/LIFE**
- **SHOWS BATTERY AND INDIVIDUAL CELL VOLTAGE**
- **IDEAL FOR BATTERY STATUS MONITORING**

The Advantage Digital Balancer is the ideal tool for checking LiPo and Life battery status. Just plug in the battery and in an instant you know it's charge status. If it is unbalanced, this balancer will take care of it.

High precision Vortex servos!

DIGITAL & ULTRA PRECISE

TITANIUM AND ALUMINUM METAL GEARS

ANTI-FADING ELECTRONICS

HIGH SPEED & HIGH TORQUE

DUAL BALLBEARING

The Team Orion Vortex digital servos are manufactured using high-precision electronics and materials such as titanium! Thanks to this, Vortex Servos guarantee ultimate control in every conditions.

Speed
Power

Vortex VDS-0910 | 8.8kg | 0.10s
ORI68003

Speed
Power

Vortex VDS-1007 | 10kg | 0.07
ORI68001

Speed
Power

Vortex VDS-1409 | 14kg | 0.09s
ORI68002

Speed
Power

Vortex VDS-2015 | 20kg | 0.15s
ORI68000

	Dimensions	Weight	Speed (6.0V)	Torque (6.0V)	Ballbearings	Type	Gears	Case
VDS0910	40.3x20x25.4mm		0.10 s/60°	8.8 kg-cm	2	Low Profile	Titanium und Aluminium	Alu/Plastic
VDS1007	40.3x20x37.2mm	52.4g	0.07 s/60°	10 kg-cm	2	Standard	Titanium und Aluminium	Alu/Plastic
VDS1409	40.3x20x37.2mm	52.4g	0.09 s/60°	14 kg-cm	2	Standard	Titanium und Aluminium	Alu/Plastic
VDS2015	40.3x20x37.2mm	52.4g	0.15 s/60°	20 kg-cm	2	Standard	Titanium und Aluminium	Alu/Plastic

Application	Electric On-Road 1:10	Electric Off-Road 1:10	Nitro On-Road 1:10	Nitro On-Road 1:8	Nitro Off-Road 1:8
VDS0910	Steering				
VDS1007	Steering	Steering	Steering	Steering	
VDS1409	Steering	Steering	Steering/Throttle	Steering/Throttle	Steering/Throttle
VDS2015			Throttle	Throttle	Steering/Throttle

Crawler, under control!

The brushless set for Crawler fans!

NEW

COMBO ESC&MOTOR

VORTEX RACE 21.5T CRAWLER MOTOR

VORTEX CRAWLER ESC

SENSORED TECHNOLOGY

HIGH TORQUE

OPTIMIZED ESC AND MOTOR

The Crawler ESC and it's 21.5T Vortex Race Sensored Motor were specifically designed for Crawlers. With this set you are always in control, no matter the situation.

The Team Orion Crawler Brushless-Set has been specifically designed for use inside Crawler cars. The set is made of a 21.5T Vortex Race sensored brushless motor and a Vortex 1:10 70A ESC with special software. The 21.5T sensored motor has a very high torque and thanks to the sensors it runs very smoothly and precisely. Combined with the special ESC software, this set gives you perfect control over your Crawler car in any situation.

Vortex Crawler Brushless Sensored Motor
ORI28143

Vortex Crawler Combo
ORI66011

Vortex Crawler ESC
ORI65015

ESC (ORI65015):
Rated current: 70A constant, 360A peak; Low voltage cut-off: 4.0V - NiMH/NiCd, 3.0V/cell LiPoLiFe; Dimensions: 43x42x40mm; Weight: 102g

Motor (ORI28143):
Input: 6-8 cells NiMH/NiCd, 2-3 cells LiPo/LiFe; Current draw: 20A; Peak current: 30A; No load current: 0,7A; RPM/V: 1320KV; Shaft lenght 16mm; Shaft diameter: Ø 3,175mm; Dimensions: 36x51mm; Weight: 181g

EXPERIENCE 2

Brushless made easy.

Ideal for backyard bashers!

PLUG&PLAY TECHNOLOGY

AUTOMATIC SETUP

TAMIYA® CONNECTOR

17, 18 & 19 TURNS

IDEAL FOR BEGINNERS

You have a RTR car and you want to upgrade to the powerful brushless motor technology? The Experience 2 Carbon brushless system is made for you!

Speed
Runtime

Vortex Experience 2 Carbon | 19T Brushless System (motor and ESC)
ORI66025

The Allrounder

Ideal for: Formula 1, Buggy 4x4, Buggy 4x2, Touring cars, Monster Trucks, Racing Trucks, 1:12 and 1:10 On-Road cars

ESC (ORI65010): BL system: sensorless; Functions: Forward/Brake/Reverse; Battery connector; Tamiya®; Input voltage: 6-8 cells NiMH/NiCd, 2-3 cells LiPo/LiFe; Max current: 70A; Peak current: 360A; BEC: 6V 2A; Weight: 49g; Dimensions: 27,5x52x22,5mm

19T Motor (ORI28173): Input voltage: 6-8 cells NiMH/NiCd, 2-3 cells LiPo/LiFe; Max current: 40A; Peak current: 60A; Resistance: 0,023Ohm; No load current: 1,6A; Winding: 19T; RPM/V: 2.840KV; Shaft lenght: 14mm; Shaft diameter: Ø 3,175mm; Dimensions: 46,4x36,1mm; Weight: 170g

Speed
Runtime

Vortex Experience 2 Carbon | 18T Brushless System (motor and ESC)
ORI66026

For Higher Requirements

Ideal for: Formula 1, Buggy 4x2, Touring cars, Racing Trucks, 1:12 and 1:10 On-Road cars

ESC (ORI65010): BL system: sensorless; Functions: Forward/Brake/Reverse; Battery connector; Tamiya®; Input voltage: 6-8 cells NiMH/NiCd, 2-3 cells LiPo/LiFe; Max current: 70A; Peak current: 360A; BEC: 6V 2A; Weight: 49g; Dimensions: 27,5x52x22,5mm

18T Motor (ORI28174): Input voltage: 6-8 cells NiMH/NiCd, 2-3 cells LiPo/LiFe; Max current: 42A; Peak current: 62A; Resistance: 0,0186Ohm; No load current: 1,8A; Winding: 18T; RPM/V: 3.000KV; Shaft lenght: 14mm; Shaft diameter: Ø 3,175mm; Dimensions: 46,4x36,1mm; Weight: 170g

Speed
Runtime

Vortex Experience 2 Carbon | 17T Brushless System (motor and ESC)
ORI66027

For the Speed Freaks

Ideal for: Formula 1, Buggy 4x2, 1:12 and 1:10 On-Road cars

ESC (ORI65010): BL system: sensorless; Functions: Forward/Brake/Reverse; Battery connector; Tamiya®; Input voltage: 6-8 cells NiMH/NiCd, 2-3 cells LiPo/LiFe; Max current: 70A; Peak current: 360A; BEC: 6V 2A; Weight: 49g; Dimensions: 27,5x52x22,5mm

17T Motor (ORI28175): Input voltage: 6-8 cells NiMH/NiCd, 2-3 cells LiPo/LiFe; Max current: 44A; Peak current: 64A; Resistance: 0,0171Ohm; No load current: 2A; Winding: 17; RPM/V: 3.200KV; Shaft lenght: 14mm; Shaft diameter: Ø 3,175mm; Dimensions: 46,4x36,1mm; Weight: 170g

The Experience 2 brushless system is the new iteration of our Experience brushless range. With this system, Team Orion offers you the best solution to improve the performance of your RTR car. The carbon look, sensorless motor is equipped with two ballbearings and is manufactured using the latest brushless technology. The 70A ESC is specifically designed to be used in conjunction with the Experience 2 Carbon motors. No soldering is necessary since the ESC and motor are equipped with connectors. Thanks to the automatic ESC setup, no user input is required.
The Experience 2 Carbon system is brushless made easy!

- High performance brushless motor
- Carbon look motor case
- High performance 70A ESC
- Tamiya® battery connector
- Sensorless system
- Designed for all 1/10 RC cars
- High efficiency
- Optional ORI65020 DSB programming box
- Ready to use, no setup required
- Automatic transmitter setup

EXPERIENCE 2

Even More Brushless Power!

Ideal for backyard bashers!

EASY TO USE PLUG&PLAY

AUTOMATIC SETUP

DEANS® CONNECTOR

14, 15 & 16 TURNS

HIGH PERFOR-MANCE

Designed for the more experienced users, the Experience 2 Titanium is our high performance Experience 2 system. The goals are simple, maximum power, maximum top speed and maximum fun!.

Speed
Runtime

Vortex Experience 2 Titanium | 16T Brushless system (motor and ESC)
ORI66028

The Allrounder

Ideal for: Formula 1, Buggy 4x4, Buggy 4x2, Touring cars, Monster Trucks, Racing Trucks, 1:12 and 1:10 On-Road cars

ESC (ORI65011): BL system: sensorless; Functions: Forward/Brake/Reverse; Battery connector; Tamiya®; Input voltage: 6-8 cells NiMH/NiCd, 2-3 cells LiPo/LiFe; Max current: 70A; Peak current: 360A; BEC: 6V 2A; Cooling fan; Weight: 56g; Dimensions: 27,5x52x22,5mm

16T Motor (ORI28176): Input voltage: 6-8 cells NiMH/NiCd, 2-3 cells LiPo/LiFe; Max current: 46A; Peak current: 66A; Resistance: 0,0163Ohm; No load current: 2.2A; Winding: 17; RPM/V: 3.440KV; Shaft lenght: 14mm; Shaft diameter: Ø 3,175mm; Dimensions: 46,4x36,1mm; Weight: 170g

Speed
Runtime

Vortex Experience 2 Titanium | 15T Brushless system (motor and ESC)
ORI66029

For Higher Requirements

Ideal for: Formula 1, Buggy 4x2, Touring cars, Racing Trucks, 1:12 and 1:10 On-Road cars

ESC (ORI65011): BL system: sensorless; Functions: Forward/Brake/Reverse; Battery connector; Tamiya®; Input voltage: 6-8 cells NiMH/NiCd, 2-3 cells LiPo/LiFe; Max current: 70A; Peak current: 360A; BEC: 6V 2A; Cooling fan; Weight: 56g; Dimensions: 27,5x52x22,5mm

15T Motor (ORI28177): Input voltage: 6-8 cells NiMH/NiCd, 2-3 cells LiPo/LiFe; Max current: 48A; Peak current: 68A; Resistance: 0,0143Ohm; No load current: 2.5A; Winding: 17; RPM/V: 3.640KV; Shaft lenght: 14mm; Shaft diameter: Ø 3,175mm; Dimensions: 46,4x36,1mm; Weight: 170g

Speed
Runtime

Vortex Experience 2 Titanium | 14T Brushless system ((motor and ESC)
ORI66030

For Speed Freaks

Ideal for: Formula 1, Buggy 4x2, 1:12 and 1:10 On-Road cars

ESC (ORI65011): BL system: sensorless; Functions: Forward/Brake/Reverse; Battery connector; Tamiya®; Input voltage: 6-8 cells NiMH/NiCd, 2-3 cells LiPo/LiFe; Max current: 70A; Peak current: 360A; BEC: 6V 2A; Cooling fan; Weight: 56g; Dimensions: 27,5x52x22,5mm

14T Motor (ORI28178): Input voltage: 6-8 cells NiMH/NiCd, 2-3 cells LiPo/LiFe; Max current: 50A; Peak current: 70A; Resistance: 0,0124Ohm; No load current: 2.9A; Winding: 17; RPM/V: 3.920KV; Shaft lenght: 14mm; Shaft diameter: Ø 3,175mm; Dimensions: 46,4x36,1mm; Weight: 170g

The Experience 2 Titanium is a high-performance brushless sensorless system. To cope with the more powerful motors, the 70A ESC (ORI65011) has been fitted with a cooling fan and a high power Deans® battery connector. The motor have a full Titanium look motor case for improved cooling. Everything is done to maximimse performance and reliability. No soldering is necessary since the ESC and motor are equipped with connectors. Thanks to the automatic ESC setup, no user input is required.
The Experience 2 system is high-performance brushless made easy!

- High performance brushless motor
- Titanium look motor case
- High performance 70A ESC
- Cooling fan
- Deans® battery connector
- Sensorless system
- Designed for all 1/10 RC cars
- High efficiency
- Optional ORI65020 DSB programming box
- Ready to use, no setup required
- Automatic transmitter setup

Kyosho® DBX VE Power system.

EXPERIENCE 2 PRO

DBX VE

COMBO ESC&MOTOR

Deans® connector

NEW

REVERSE BRAKE FORWARD

PLUG&PLAY TECHNOLOGY

AUTOMATIC SETUP

DEANS® CONNECTOR

DESIGNED FOR KYOSHO DBX VE

OPTIMAL ESC/MOTOR COMBO

This Experience 2 Pro System was specifically designed for the Kyosho DBX VE electric buggy. The special ESC and motor deliver crazy power and top speed*!

Vortex 10 2800KV motor

Brushless Set (ORI66043)

Designed for: Kyosho® DBX VE

ESC (ORI65013): BL system: sensorless; Functions: Forward/Brake/Reverse; Battery connector; Deans®; Input voltage: 6-8 cells NiMH/NiCd, 2-3 cells LiPo/LiFe; Max current: 70A; Peak current: 360A; BEC: 6V 2A; Weight: 78g; Dimensions: 52x45x24mm; Pro-Software; Can be used with the Vortex 8 DSB (ORI65026)

10T Motor (ORI28173): Input voltage: 6-8 cells NiMH/NiCd, 2-3 cells LiPo/LiFe; Max current: 50A; Peak current: 100A; Resistance: 0,0081Ohm; No load current: 2.8A; Winding: 10T; RPM/V: 2.800KV; Shaft lenght: 14mm; Shaft diameter: Ø 3,175mm; Dimensions: 39.2x61.2mm; Weight: 258g

The Kyosho DBX VE is an exciting Off-Road buggy from Kyosho. The Team Orion Experience 2 Pro system that powers it delivers outstanding performance!

Team Orion batteries for the Kyosho DBX VE

ORI14020 **Carbon Molecular 5400mAh | 2S | 7.4V**
ORI14021 **Carbon Molecular 5000mAh | 2S | 7.4V**
ORI14022 **Carbon Molecular 4600mAh | 2S | 7.4V**
ORI14023 **Carbon Molecular 3800mAh | 3S | 11.1V Extra Power**

*This is the standard system which is factory fitted to the Kyosho DBX VE.

EXPERIENCE 2 PRO

High Power Short Course Trucks

High-performance for Short Course Trucks!

COMBO ESC&MOTOR

NEW

PLUG&PLAY TECHNOLOGY

AUTOMATIC SETUP

TRX® CONNECTOR

DIRECT FIT ON TRAXXAS® SLASH®

OPTIMAL ESC/MOTOR COMBO

This 3750KV brushless motor and it's Experience 2 Pro ESC are specifically designed for short course trucks. The ESC is equipped with a large size heatsink which directly fits Traxxas® Slash® cars. Ideal for all short course trucks!

Experience 2 Pro 3750KV motor

Brushless Set (ORI66045)

Designed for: Traxxas® Slash® and all Short Course Trucks

ESC (ORI65016): BL system: sensorless; Functions: Forward/Brake/Reverse; Battery connector; Deans®; Input voltage: 6-8 cells NiMH/NiCd, 2-3 cells LiPo/LiFe; Max current: 70A; Peak current: 360A; BEC: 6V 2A; Weight: 78g; Dimensions: 52x45x24mm; Can be used with the Vortex DSB (ORI65020)

10T Motor (ORI28173): Input voltage: 6-8 cells NiMH/NiCd, 2-3 cells LiPo/LiFe; Max current: 70A; Peak current: 90A; Resistance: 0,0083Ohm; No load current: 2.8A; Winding: 10T; RPM/V: 3750KV; Shaft lenght: 16.5mm; Shaft diameter: Ø 3,175mm; Dimensions: 38x56mm; Weight: 234g

Picture © www.traxxas.com

Team Orion has developed it's own brushless system for the popular Traxxas® Slash®. This system brings the performance and driving fun to new levels!

Team Orion batteries for the Traxxas® Slash®

ORI14024 **Carbon Molecular 5400mAh | 2S | 7.4V**
ORI14025 **Carbon Molecular 5000mAh | 2S | 7.4V**
ORI14026 **Carbon Molecular 4600mAh | 2S | 7.4V**
ORI14027 **Carbon Molecular 3800mAh | 3S |11.1V Extra Power**

Traxxas® TRX® High Current Connectors US Patent Nos. 7,374,460, 7,530,855, D573,536 and D576,557; Traxxas and TRX are registered trademarks of Traxxas, L.P.

Sensorless Systems for Every Car Size!

Sensorless power for every car scale!

COMBO ESC&MOTOR

REVERSE BRAKE FORWARD

SENSORLESS TECHNOLOGY

HIGH PERFOR-MANCE

1:10, 1:18 AND 1:36 VERSIONS

PROGRAMMA-BLE

FIXED TIMING

Team Orion Vortex sensorless brushlesss systems are available for 1:10, 1:18 and 1:36 scale cars. They are available as sets or individually. Experience Team Orion power in your car, no matter the size!

For 1:10 scale cars

Speed
Runtime

Vortex Combo Sensorless Torque 6400KV with 70A ESC
ORI66006

Speed
Runtime

Vortex Combo Sensorless Speed 7500KV with100A ESC
ORI66005

The Vortex SL systems are brushless sensorless systems that are available for all car sizes. For each size, there are two versions, a version which favors top speed and power and a version which favors runtime and efficiency. Several paramaters can be fine tuned directly on the ESC or even better, using the optional (ORI65020) DSB program box.

Vortex DSB Setting Box
With the DSB setting box (ORI65020) you can easily access the different ESC parameters and fine tune them to your personal preference.

For 1:18 scale cars

Speed
Runtime

Vortex Combo 1:18 6000KV with 25A ESC
ORI66003

Speed
Runtime

Vortex Combo 1:18 7500KV with 25A ESC
ORI66004

For 1:36scale cars

Speed
Runtime

Vortex Combo 1:36 9500KV with 5A ESC
ORI66001

Speed
Runtime

Vortex Combo 1:36 10300KV with 5A ESC
ORI66002

*On page 50/51 you can find a complete overview of brushless motors and ESCs

Cost Effective Modified Motors!

Low price modified motor!

SV2 Version: fixed timing, non rebuildable
SV2 R Version: adjustable timing, rebuildable

Picture shows 2009 version

BRUSHED MODIFIED MOTOR

SV2 WORLD CHAMPION TECHNOLOGY

NEW 2010 VERSION

DUAL BALLBEARING

LONG LIFE HIGH PERFOR-MANCE BRUSHES

The Method motors are great for backyard bashers or those on a budget who are looking to increase the performance of their car. The Method motors are also equipped with the world champion SV2 angled brush technology.

SV2 Method Motor

More Power ->

SV2 Method 27X2
ORI25028

SV2 Method 25X2
ORI25027

SV2 Method 23X2
ORI25026

SV2 Method 21X2
ORI25025

SV2 Method 19X2
ORI25024

SV2 Method 17X2
ORI25023

More Power ->

SV2 Method R Motor

SV2 Method 15X2
ORI25022

SV2 Method 13X2
ORI25021

SV2 Method 11X2
ORI25020

SV2 Method 10X2
ORI25019

SV2 Method R 21X2
ORI25115

SV2 Method R 19X2
ORI25114

More Power ->

Crawler Version

SV2 Method R 17X2
ORI25113

SV2 Method R 15X2
ORI25112

SV2 Method R 13X2
ORI25111

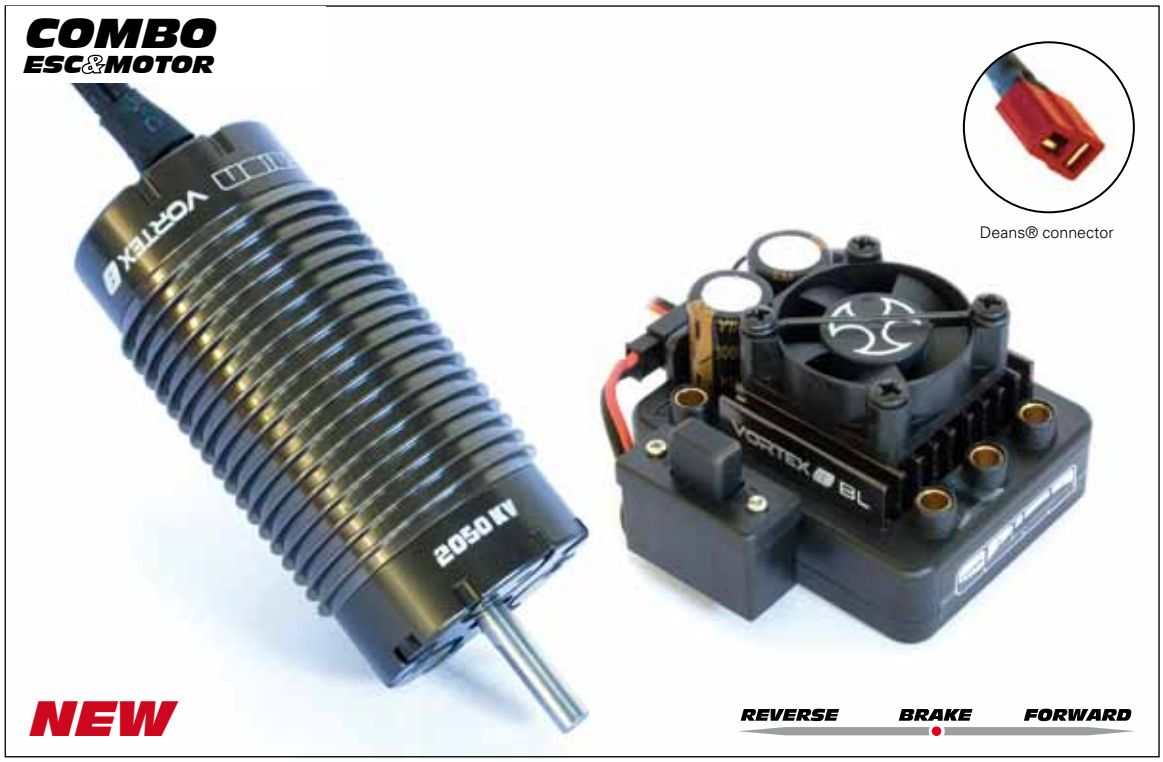
SV2 Method R 11X2
ORI25110

SV2 Method R 10X2
ORI25109

SV2 Method R 55X1 Crawler
ORI25116

1/8 Scale Brushless Technology.

Ideal for backyard bashers!



PLUG&PLAY TECHNOLOGY

AUTOMATIC SETUP

DEANS® CONNECTOR

2 POLE TECHNOLOGY

OPTIMAL ESC/MOTOR COMBO

Team Orion brushless technology, now also for the popular 1/8 scale Off-Road cars. The Vortex 8 EXP brushless set is ideal for stepping into the 1/8 scale brushless world!

Our experience with brushless systems has allowed us to develop and market brushless systems which are reliable, powerful and more importantly, easy to use. Efficient cooling and high quality connectors ensure high reliability and the automatic setup system simplifies the use to the extreme. The motor and ESC have been developed together to ensure perfect functionality. For those that want to fine tune the ESC settings, this can be done with the optional Vortex 8 DSB programming box (ORI65026).
The Team Orion Vortex 8 brushless system is the ideal system for those that want to step into the brushless 1/8 Off-Road class. It offers oustanding performance at a competitive price. Those who are used to nitro power will be impressed by the level of performance their cars can achieve with Team Orion brushless technology.

Vortext 8 EXP Combo (ORI66041)

Designed for: 1:8 scale cars

ESC (ORI65012): BL system: sensorless; Functions: Forward/Brake/Reverse; Battery connector; Deans®; Input voltage: 6-12 cells NiMH/NiCd, 2-4 cells LiPo/LiFe; Max current: 120A; Peak current: 360A; BEC: 6V 2A; Weight: 98g; Dimensions: 57.6x47x35mm; Pro-Software; Can be used with the Vortex 8 DSB (ORI65026)

10T Motor (ORI28807): Input voltage: 6-16 cells NiMH/NiCd, 2-5 cells LiPo/LiFe; Max current: 80A; Peak current: 120A; Resistance: 0,011Ohm; No load current: 2.6A; Winding: 10T; RPM/V: 2.050KV; Shaft lenght: 20mm; Shaft diameter: Ø 5mm; Dimensions: 39x77mm; Weight: 374g

Vortex 8 DSB Setting Box
With the Vortex 8 DSB setting box (ORI65026) you can easily access the different ESC parameters and fine tune them to your personal preference.

The 1/8 Brushless-Set for Racers.

1/8 scale racing brushless system

COMBO ESC&MOTOR

Deans® conector

NEW

REVERSE BRAKE FORWARD

PLUG&PLAY TECHNOLOGY

AUTOMATIC SETUP

DEANS® CONNECTOR

4 POLE TECHNOLOGY

OPTIMAL ESC/MOTOR COMBO

The Vortex 8 Race brushless system is composed of our Vortex 8 ESC and three different high performance 4 pole motors. Various parameters of the ESC can be fine tuned for racing (such as switching off reverse)*!

Speed
Runtime

Vortex 8 Race 4-Pol 1750KV
ORI66037

Technical details

Designed for: 1:8 scale cars

ESC (ORI65012): BL system: sensorless; Functions: Forward/Brake/Reverse; Battery connector; Deans®; Input voltage: 6-12 cells NiMH/NiCd, 2-4 cells LiPo/LiFe; Max current: 120A; Peak current: 360A; BEC: 6V 2A; Weight: 98g; Dimensions: 57.6x47x35mm; Pro-Software; Can be used with the Vortex 8 DSB (ORI65026)

1.5Y 1750KV motor (ORI28804): Input voltage: 6-16 cells NiMH/NiCd, 2-6 cells LiPo/LiFe; Max current: 90A; Peak current: 130A; Resistance: 0,0098Ohm; No load current: 2.6A; Winding: 1.5Y; RPM/V: 1.750KV; Shaft lenght: 20mm; Shaft diameter: Ø 5mm; Dimensions: 43x63.4mm; Weight: 339g

Speed
Runtime

Vortex 8 Race 4-Pol 1950KV
ORI66038

Technical details

Designed for: 1:8 scale cars

ESC (ORI65012): BL system: sensorless; Functions: Forward/Brake/Reverse; Battery connector; Deans®; Input voltage: 6-12 cells NiMH/NiCd, 2-4 cells LiPo/LiFe; Max current: 120A; Peak current: 360A; BEC: 6V 2A; Weight: 98g; Dimensions: 57.6x47x35mm; Pro-Software; Can be used with the Vortex 8 DSB (ORI65026)

2.5D 1950KV motor (ORI28805): Input voltage: 6-16 cells NiMH/NiCd, 2-6 cells LiPo/LiFe; Max current: 100A; Peak current: 140A; Resistance: 0,0095Ohm; No load current: 3.6A; Winding: 2.5D; RPM/V: 1.950KV; Shaft lenght: 20mm; Shaft diameter: Ø 5mm; Dimensions: 43x63.4mm; Weight: 343g

Speed
Runtime

Vortex 8 Race 4-Pol 2300KV
ORI66039

Technical details

Designed for: 1:8 scale cars

ESC (ORI65012): BL system: sensorless; Functions: Forward/Brake/Reverse; Battery connector; Deans®; Input voltage: 6-12 cells NiMH/NiCd, 2-4 cells LiPo/LiFe; Max current: 120A; Peak current: 360A; BEC: 6V 2A; Weight: 98g; Dimensions: 57.6x47x35mm; Pro-Software; Can be used with the Vortex 8 DSB (ORI65026)

2D 2300KV motor (ORI28806): Input voltage: 6-16 cells NiMH/NiCd, 2-6 cells LiPo/LiFe; Max current: 110A; Peak current: 150A; Resistance: 0,0062Ohm; No load current: 3.6A; Winding: 2D; RPM/V: 2.300KV; Shaft lenght: 20mm; Shaft diameter: Ø 5mm; Dimensions: 43x63.4mm; Weight: 343g

*Optional Vortex 8 DSB box required (ORI65026)

The Vortex Pro Race Brushless System.

Competition brushless technology

NEW

We recommend our Vortex Race Spec V1.5 ESC (p.47)

BRAKE FORWARD

SENSORED BRUSHLESS RACING MOTOR

HIGH-END ESC

FULLY REBUILDABLE

ADJUSTABLE TIMING

PROVEN TEAM ORION QUALITY

The new Vortex Race Pro racing brushless motors are specially developed for todays high power batteries. The Team Orion motor and ESC are a winning combination which is trusted by many drivers around the world!

In full size car racing, only the best technology is used. Every aspect is specifically developed and tested to achieve maximum performance. With Team Orion RC racing products, the same concept is applied, every product is tested and fine tuned at racing tracks all over the world. This means that not only performance is tested, but also reliability. Our racing products are tested in the most extreme conditions, very high temperature or very low temperature.

Our electric R&D Manager Oscar Jansen has been busy developing and testing products to ensure they can take full advantage of the latest 45C LiPo technology. The motor must be able to use this power efficiently and reliably. A lot of work has been done to improve magnetic efficiency and stability. This means that the new motors are run more efficiently, keeping temperatures down and performance high. The Vortex Race Spec ESC is also part of the equation, it's software and hardware have also been adapted to take full advantage of the battery power and deliver it efficiently to the motor. The motor and ESC are a whole, together they are the perfect team that can guarantee performance and reliabilty, run after run.
Racers all over the world trust Team Orion Power, what about you?

Designed by Oscar Jansen

	13.5T	10.5T	9.5T	8.5T	7.5T	6.5T	5.5T	4.5T	4.0T
Combo part number					ORI66017	ORI66016		ORI66015	
Motor part number	ORI28211	ORI28210	ORI28209	ORI28208	ORI 28207	ORI 28206	ORI 28205	ORI 28204	ORI 28203
Input voltage	3.2V - 11.1V	3.2V - 11.1V	3.2V - 11.1V	3.2V - 11.1V	3.2V - 11.1V	3.2V - 11.1V	3.2V - 8.4V	3.2V - 8.4V	3.2V - 8.4V
RPM @7.4V	22940	26788	30710	35150	38480	40700	47730	59052	65120
kV	3100	3620	4150	4750	5200	5500	6450	7980	8800
Power [W]	207	262	281	298	340	395	461	569	620
Current [A]	27.8	35.9	38.4	40.3	45.9	53.4	62.3	76.9	83.8
Efficiency	95%	94%	93%	93%	93%	93%	93%	92%	91%
Magnet type	sintered	sintered	sintered	sintered	sintered	sintered	sintered	sintered	sintered
Works w/ sensor and sensorless ESC	yes	yes	yes	yes	yes	yes	yes	yes	yes
Adjustable timing	yes	yes	yes	yes	yes	yes	yes	yes	yes

Team Orion Vortex Race Spec | Version 1.5 (ORI65008)*

VARIABLE FREQUENCY SYSTEM

780A CONTINUOUS CURRENT

FOR SENSORED RACING MOTORS

VERSION 1.5

The Team Orion Vortex Race Spec BL ESC is a competition ESC designed to deliver the highest possible performance. It can handle the most powerful racing motors in any racing conditions and uses the latest software and hardware brushless technology.

- Latest 1.5 version software
- Low profile
- Compact size (33.4x37.0x16.8mm)
- Lightweight (30.8g ohne Kabel)
- Sensored technology
- Variable Frequency System (VFS)
- Max current: 780A, max peak current: 3120A
- Up to 2.5T w/ cooling set, up to 4.5T w/o cooling set
- LiPo cut-off
- Developed and used by pro racers
- ICS-ready (optional adapter and software for personalized settings)
- 5 factory preset memory profiles
- Optional cooling set (ORI65022)
- Also available with cooling set included (ORI65009)

Team Orion Vortex Pro Race Brushless Motor

NEW PRO VERSION

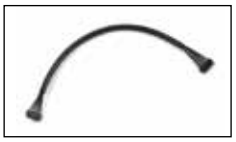
THREE PIECE CAN DESIGN

FREELY ADJUSTABLE TIMING

FULLY REBUILDABLE

3.5T	3.0T	2.5T
ORI 28202	ORI 28201	ORI 28200
3.2V - 8.4V	3.2V - 8.4V	3.2V - 8.4V
73630	84360	96570
9950	11400	13050
698	764	987
94.3	103.2	121.0
90%	89%	88%
sintered	sintered	sintered
yes	yes	yes
yes	yes	yes

Brushless Sensor Wire



ORI41444 Sensor Wire 270 mm
ORI41445 Sensor Wire 150 mm
ORI41446 Sensor Wire 110 mm

Weight	172 gr
Lenght	51.1 mm
Diameter	35.8 mm
Shaft lenght	15.2 mm
Shaft diameter	3.14 mm
Rotor diameter	12.36 mm

Features

- Fully rebuildable
- Freely adjustable timing
- New optimized sensor position
- Three piece can design
- Thicker backplate for improved cooling and vibration dampening
- Thicker soldering tabs for better cooling and conductivity
- Lubrification port
- Removable sensor plate
- Optmized construction for better magnetic field management
- Lower running temperature and higher efficiency
- 12.4mm/4.8mm sintered magnet
- Thicker front plate for higher rigidity and improved cooling
- Thicker winding connection ring for better performance
- Designed in Switzerland

Das Vortex Pro Stock Brushless System.

High end system for Stock racing

NEW

We recommend our Vortex Race Spec V1.5 ESC (p.47)

BRAKE FORWARD

SENSOR BRUSHLESS RENNMOTOR

HIGH-END ESC

FULLY REBUILDABLE

FREELY ADJUSTABLE TIMING

FOR STOCK CLASS RACING

The Vortex Pro Stock brushless system has been specifically designed for Stock class racing. The Team Orion motor and ESC are a winning combination which is trusted by many drivers around the world!

In full size car racing, only the best technology is used. Every aspect is specifically developed and tested to achieve maximum performance. With Team Orion RC racing products, the same concept is applied, every product is tested and fine tuned at racing tracks all over the world. This means that not only performance is tested, but also reliability. Our racing products are tested in the most extreme conditions, very high temperature or very low temperature.

Our electric R&D Manager Oscar Jansen has been busy developing and testing products to ensure they can take full advantage of the latest 45C LiPo technology. The motor must be able to use this power efficiently and reliably. A lot of work has been done to improve magnetic efficiency and stability. This means that the new motors are run more efficiently, keeping temperatures down and performance high. The Vortex Race Spec ESC is also part of the equation, it's software and hardware have also been adapted to take full advantage of the battery power and deliver it efficiently to the motor. The motor and ESC are a whole, together they are the perfect team that can guarantee performance and reliabilty, run after run.
Racers all over the world trust Team Orion Power, what about you?

Designed by Oscar Jansen

√STOCK*

*The stock motors are built following ROAR and EFRA regulations.

Weight	172 gr
Lenght	51.1 mm
Diameter	35.8 mm
Shaft lenght	15.2 mm
Shaft diameter	3.14 mm
Magnet diameter	12.32 mm

Features

- Fully rebuildable
- Freely adjustable timing
- New optimized sensor position
- Three piece can design
- Thicker backplate for improved cooling and vibration dampening
- Thicker soldering tabs for better cooling and conductivity
- Lubrification port
- Removable sensor plate
- Optmized construction for better magnetic field management
- Lower running temperature and higher efficiency
- 12.32mm/7.1mm sintered magnet
- Thicker front plate for higher rigidity and improved cooling
- Thicker winding connection ring for better performance
- Designed in Switzerland

Team Orion Vortex Pro Stock Brushless Motor

NEW PRO VERSION

THREE PIECE CAN DESIGN

FREELY ADJUSTABLE TIMING

FULLY REBUILDABLE

	9.5T	10.5T	11.5T	13.5T	17.5T	21.5T	24.5T
Combo part number		ORI66018		ORI66019			
Motor part number	ORI28212	ORI28213	ORI28214	ORI28215	ORI28216	ORI28217	ORI28218
Input voltage	3.2V - 11.1V	3.2V - 11.1V	3.2V - 11.1V	3.2V - 11.1V	3.2V - 11.1V	3.2V - 11.1V	3.2V - 11.1V
RPM @7.4V	31080	27750	25160	23680	16872	12950	10360
kV	4200	3750	3400	3200	2280	1750	1400
Power [W]	281	254	236	200	153	125	109
Current [A]	38.0	34.3	31.9	27.0	20.7	16.9	14.7
Efficiency	93%	93%	93%	94%	94%	94%	94%
Magnet type	sintered	sintered	sintered	sintered	sintered	sintered	sintered
Works w/ sensor and sensorless ESC	yes	yes	yes	yes	yes	yes	yes
Adjustable timing	yes	yes	yes	yes	yes	yes	yes

The Vortex Brushless Motors.

Vortex 1:18 and 1:36

ORI28120 Vortex Micro 1/18 Torque 6000KV

ORI28121 Vortex Micro 1/18 Speed 7500KV

ORI28122 Vortex 1/36 Speed 9500KV

ORI28123 Vortex 1/36 Speed 10300KV

Vortex Special Motors

ORI28143 Vortex Crawler 1780KV

ORI28179 Vortex Exp. 2 Pro für Slash 3750KV

ORI28809 Vortex 10 für DBX 2800KV

Vortex Sensorless

ORI28150 Vortex 2008 Speed 7500KV

ORI28151 Vortex 2008 Torque 6400KV

ORI28152 Vortex 2008 Torque 4800KV

Vortex Experience 2 Carbon

ORI28173 Experience 2 Carbon 19T 2840KV

ORI28174 Experience 2 Carbon 18T 3000KV

ORI28175 Experience 2 Carbon 17T 3200KV

Vortex Experience 2 Titanium

ORI28176 Experience 2 Titanium 16T 3440KV

ORI28177 Experience 2 Titanium 15T 3640KV

ORI28178 Experience 2 Titanium 14T 3920KV

Vortex 1:8

ORI28803 Vortex 8 Exp 2 pole 2050KV

ORI28804 Vortex 8 Race 4 pole 1750KV

ORI28805 Vortex 8 Race 4 pole 1950KV

ORI28806 Vortex 8 Race 4 pole 2300KV

Vortex Pro Motors list and specs are on pages 46-49

The Vortex Brushless ESC.

Vortex 1:36 and 1:18 Sensorless

ORI65001 Vortex Micro 1/36 Sensorless 5 A

ORI65002 Vortex Micro 1/18 Sensorless 25 A

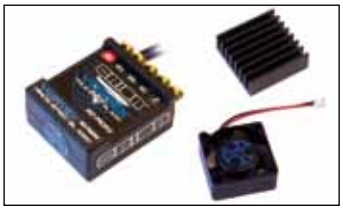
Vortex 1:10 Sensor/Sensorless

ORI65003 Vortex 1/10 Sensor/Sensorless 100 A

ORI65004 Vortex 1/10 Sensor/Sensorless 70 A

Vortex Race Spec V1.5 Sensor

ORI65008 Vortex Race V1.5 (Limit 4.5)



ORI65009 Vortex Race V1.5 w/ Cooling Set (Limit 2.5T)

Vortex Crawler

ORI65015 Vortex Crawler Sensor/Sensorless 70A

Vortex 1:8

ORI65012 Vortex 8 Controller

Vortex Special Sensorless ESC

ORI65016 Experience 2 Pro for Slash

ORI65013 Experience 2 Pro for DBX

Vortex Experience 2

ORI65010 Experience 2 70A w/ Tamiya® connector

ORI65011 Experience 2 70A w/ cooling fan and Deans® connector

DSB Vortex ESC Programming boxes

ORI65020 Vortex Digital Setting Box (DSB)

For all Vortex ESC (excepted for DBX, Vortex 8, Vortex Race Spec)

ORI65026 Vortex 8 Digital Setting Box (DSB)

For Vortex 8 and DBX ESC

LED Pit Lamp

ORI43024 LED Pit Lamp

Digitaler Balancer 2S-6S

ORI30136 Advantage Digital Balancer LiPo/LiFe 2S - 6S

Connectors and accessories

High Quality Connectors and Silicone Wire

Connectors

ORI62503 Gold Connector 2mm (2 pairs)
ORI62504 Gold Connector 3.5mm (3 pairs)
ORI62505 Gold Connector 3.5mm Plug (3pcs)
ORI62506 Gold Connector 3.5mm Tube (3pcs)
ORI40000 Gold Connector 4mm Tubes (10 pcs)
ORI40001 Gold Connector 4mm Tubes (100 pcs)
ORI40002 Gold Connector Twisted 4mm Set (2 plugs/10 tubes)
ORI40003 Gold Connector Twisted 4mm Plug(10 pcs)
ORI40004 Gold Connector Twisted 4mm Plug (100 pcs)
ORI40005 Gold Connector 4mm Set (2 plugs/10 tubes)
ORI40006 Gold Connector 4mm Plug (10pcs)
ORI40014 Gold Connector 6mm Set (3 plugs/3 tubes)
ORI40015 Gold Connector 6mm Plug (3 pcs)
ORI40016 Gold Connector 6mm Tube (3 pcs)
ORI40017 Gold Connector 8mm Set (3 plugs/3 tubes)
ORI40018 Gold Connector 8mm Plug (3 pcs)
ORI40019 Gold Connector 8mm Tube (3 pcs)

High Quality Silicone Wire

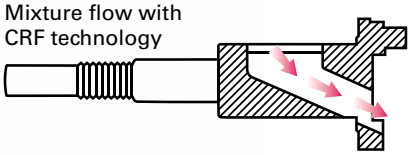
ORI40300 14awg Super Flexible Silicone Wire (Red/Black)
ORI40302 12awg Super Flexible Silicone Wire (Red/Black)
ORI40305 10awg Super Flexible Silicone Wire (Red/Black)

Revolutionary Nitro Engines.

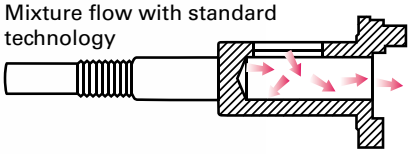
NEW

THE CRF CRANKSHAFT

Mixture flow with CRF technology



Mixture flow with standard technology



EXCLUSIVE CRF CRANK-SHAFT SYSTEM

MORE TORQUE

IMPROVED FUEL EFFICIENCY

UNIQUE DESIGN

MADE IN ITALY

For many years, nitro engines have only witnessed minor updates and improvements. With the CRF technology, Team Orion revolutionizes the nitro engine technology with a new fuel mixture flow concept.

With the CRF engines,Team Orion has created a new performance benchmark. CRF engines are designed to be used with competition RC cars and they possess several features which are not found inside competitors engines. The main technological advancements inside CRF engines are found around the crankshaft which is very different than traditional crankshafts found in regular engines. The central gas channel is angled. This angle allows the crankshaft to work as a compressor as it spins, the effect is even greater when the RPM increase. Another effect is that it prevents the fresh mixture from bouncing against the crankcase cover. The crankshaft has milled slots, which are located around the intake port. Not only do these slots improve the balancing of the crankshaft to minimize vibrations, but they actually pickup fresh fuel mixture and push it trough a special lateral canal inside the crankcase. This canal carries the mixture through the rear bearing to improve lubrication and filling of the rear crankcase.

The conrod is also shaped to take advantage of the improved mixture flow and is manufactured using the highest grade aluminum available.

The CRF technology was designed in Switzerland and the motors are manufactured in Italy, using proven manufacturing techniques. To us, only the best will suffice, what about you?

2009 CRF Engines Racing Results!

- ★ CRCRC Truggy Champion
- ★ CRCRC Buggy Champion
- ★ Silverstate Buggy Champion
- ★ JBRL Series Winner & 2nd place
- ★ NeoBuggy Race Champion
- ★ ASTRA Nitrocross Champion
- ★ Kyosho Masters Winner & 2nd place
- ★ EFRA European B Champion
- ★ Swedish Nationals Winner
- ★ German Nationals Winner
- ★ Nitro Cross Truggy Champion
- ★ Nitro Cross Buggy Champion
- ★ Sindwinder Explosion Buggy Champion
- ★ Sindwinder Explosion Truggy Champion
- ★ RCpro Buggy Champion
- ★ Pikes Peak Nitro Challenge Buggy Champion
- ★ Pikes Peak Nitro Challenge Truggy Champion
- ★ Kyosho Falls Classic Buggy Champion
- ★ Kyosho Falls Classic Truggy Champion
- ★ JConcept Clash Truggy Champion
- ★ RCX FEST Truggy Champion
- ★ Nitromania Champion 2010

- High-performance competition engines
- CRF crankshaft with angled gas channel and external slots
- High-performance ABC liner
- Two needle carburetor with aluminum body
- High quality, custom made ball bearings
- Optional carburetor inlet venturis available
- Improved throttle response characteristics
- Increased fuel economy
- Lightweight high efficiency cooling head
- SG crankshaft

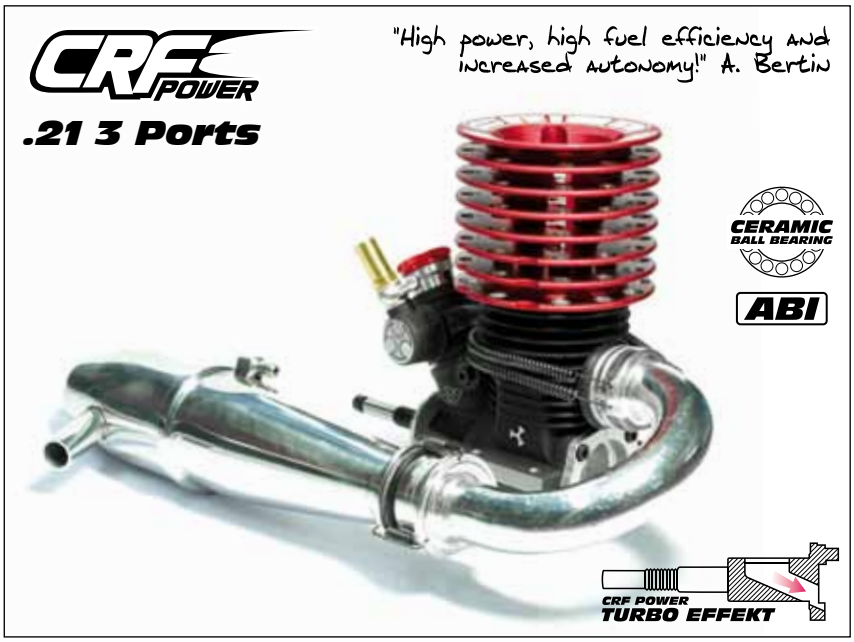
*Publication nr. EP 1 787 018

ABI World Championship winner Adrien Bertin only puts his "ABI" signature logo on the best products. With nitro engines, this logo means high grade materials, high precision manufacturing and specially tuned parts to maximise performance.

Speed
Power
Runtime

ORI80655 **CRF Engine | 3.5ccm | 3P**
ORI80671 **Set w/ pipe**

Type: 2 stroke | Displacement: 3.5ccm | Bore: 16.2mm | Stroke: 16.9mm | Weight: 350g | Max rpm: 35'000 rpm | Power output: 2.75 BHP| Front bearing: 7x19x6mm | Rear Bearing: 14.2x25.3x6.3mm Ceramic | Liner: ABC | Ports: 3| Carburetor: slide carburetor with aluminum body | Crankshaft: patented CRF technology, SG type



3.5CCM

3 PORTS

BEST FUEL EFFICIENCY

CRF TECHNOLOGY

MADE IN ITALY

Speed
Power
Runtime

ORI80656 **CRF Engine | 3.5ccm | 7P**
ORI80672 **Set w/ pipe**

Type: 2 stroke | Displacement: 3.5ccm | Bore: 16.2mm | Stroke: 16.9mm | Weight: 350g | Max rpm: 38'000 rpm | Power output: 3 BHP| Front bearing: 7x19x6mm | Rear Bearing: 14.2x25.3x6.3mm Ceramic | Liner: ABC | Ports: 7| Carburetor: slide carburetor with aluminum body | Crankshaft: patented CRF technology, SG type

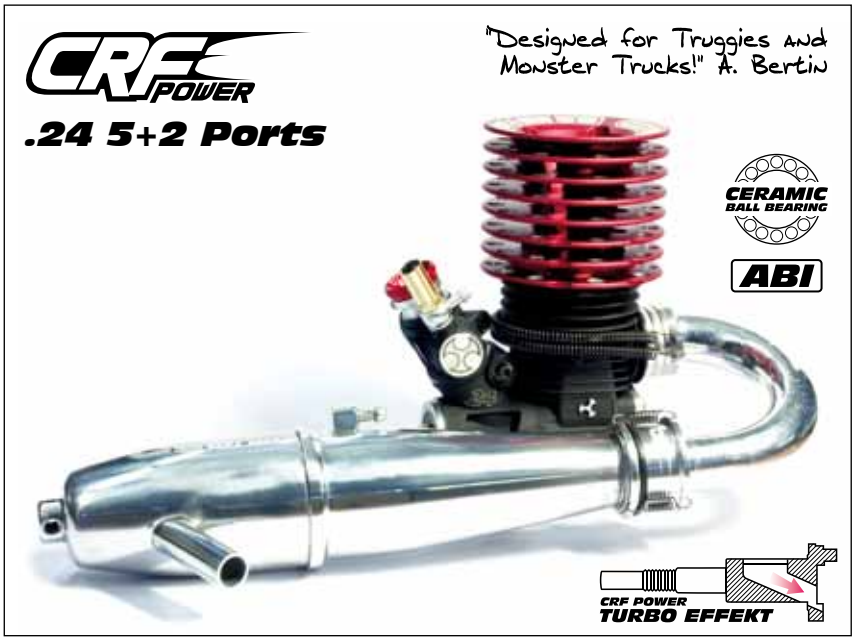
3.5CCM

7 PORTS

MAXIMUM PERFORMANCE

CRF TECHNOLOGY

MADE IN ITALY



4CCM

5+2 PORTS

FOR TRUGGIES AND MONSTER TRUCKS

CRF TECHNOLOGY

MADE IN ITALY

ORI80658 **CRF Engine | 4ccm | 5+2P-**
ORI80674 **Set w/ pipe**

Type: 2 stroke | Displacement: 4 ccm | Bore: 17.1mm | Stroke: 17.1mm | Weight: 350g | Max rpm: 38'000 rpm | Power output: 3.1 BHP| Front bearing: 7x19x6mm | Rear Bearing: 14.2x25.3x6.3mm Ceramic | Liner: ABC | Ports: 5+2| Carburetor: slide carburetor with aluminum body | Crankshaft: patented CRF technology, SG type

Off-Road Alpha Engines.

High performance standard engines

HIGH-END STANDARD TECHNOLOGY ENGINES

HAND-MADE TUNING

OFF-ROAD SPECIFIC

COST FRIENDLY DESIGN (CFD)

MADE IN ITALY

Regular nitro technology at a competitive price. With the Alpha engines, you get reliable world champion technology. Manufactured in Italy, the country of the high-performance engine manufacturers.

For Truggies/Monster Trucks

4 cm³ ABI (ABC/5 ports/ceramic)
ORI80633

Set w/ pipe
ORI80670

- .24 high-performance off-road engine
- ABI "Hand Made" tuning and selection
- ABI tuned crankshaft
- ABC 5+2 ports precision liner
- New 2 needle aluminum body carburetor
- Ceramic high-speed ball bearing
- Replaceable intake venturi
- Ultra-lightweight drilled red heat sink head
- SG shaft

For 1:8 Off-Road Buggies

3,5cm³ Racing ABI (ABC/3 ports)
ORI80653

Set w/ pipe
ORI80668

- .21 high-performance off-road engine
- ABC 3 ports precision liner
- 2 needle aluminum carburetor
- Lightweight red heat sink head
- SG shaft
- Competition engine at a competitive price

For 1:8 Off-Road Buggies

3,5cm³ Racing ABI (ABC/3 ports/ceramic)
ORI80647

Set w/ pipe
ORI80667

- .21 ultra high-performance off-road engine
- ABI "Hand Made" tuning and selection
- ABI tuned crankshaft
- ABC 3 ports precision liner
- New 2 needle aluminum body carburetor
- Ceramic high-speed ball bearings
- Replaceable intake venturi
- Ultra-lightweight drilled red heat sink head
- SG shaft

CFD

Cost Friendly Design
The regular Alpha engines are manufactured using cheaper standard technology instead of CRF technology. Thanks to the extensive knowledge of our engine specialist, Adrien Bertin, the performance remains very high altough more simple technology is used. Alpha engines are manufactured in Italy, using high-precision machinery and high grade materials.

ABI

ABI-Tuning
World Champion Adrien Bertin only puts is name on products that deserve it. With the Alpha line of nitro engines, this means : selected components, high quality materials and handmade tuning for the best performance. Adrien Bertin does not only develop the motors, he also oversees all the aspects of the engines production process.

On-Road Alpha Engines.

Alpha wins in **2009**!

- ★ Dirt Nitro Challenge Truggy Champion
- ★ Tri State Off Road Champion

HIGH-END STANDARD TECHNOLOGY ENGINES

HAND-MADE TUNING

ON-ROAD SPECIFIC

COST FRIENDLY DESIGN (CFD)

MADE IN ITALY

Racing performance, the Alpha On-Road engines are at the peak of engine technology! Alpha engines are manufactured in Italy, using high-precision machinery and high grade materials.

For 1:10 Cars

2,1cm³ ABI (ABC/3 ports/ceramic)
ORI80633

Set w/ pipe
ORI80664

- .12 high-performance on-road engine
- ABI "Hand Made" tuning and selection
- ABI tuned crankshaft
- ABC 3 ports precision liner
- New 2 needle aluminum body carburetor
- Ceramic high-speed ball bearing
- Replaceable intake venturi
- Ultra-lightweight drilled titan cooling head
- SG shaft

For 1:8 On-Road Cars

3,5cm³ Racing ABI (ABC/7 ports/ceramic)
ORI80638

Set w/pipe
ORI80665

- .21 high-performance on-road engine
- ABI "Hand Made" tuning and selection
- ABI tuned crankshaft
- ABC 7 ports precision liner
- New 2 needle aluminum body carburetor
- Ceramic high-speed ball bearing
- Replaceable intake venturi
- Ultra-lightweight drilled titan cooling head
- SG shaft

For 1:8 On-Road Cars

3,5cm³ Racing ABI (ABC/7 ports/ceramic)
ORI80663

Set w/pipe
ORI80666

- .21 ultra high-performance on-road engine
- ABI "Hand Made" tuning and selection
- ABI tuned and balanced crankshaft
- ABC 7 ports selected precision liner
- New 2 needle aluminum body carburetor
- Ceramic high-speed ball bearing
- Replaceable intake venturi
- Ultra-lightweight drilled titan cooling head
- SG shaft

Adrien Bertin running the ORI80663 Alpha .21 Motor took the 3rd podium position at the 2009 1/8 On-Road World Championships!

High-performance Tuned Pipes.

HIGH END TUNED PIPES

HI-GRADE ALUMINUM

POLISHED FINISH

RACING LEGAL

DESIGNED BY ADRIEN BERTIN

The Team Orion tuned pipes are specifically designed for Team Orion nitro engines. Like our nitro engines, they are manufactured in Italy by exhaust manufacturing specialists.

Team Orion tuned pipes are the perfect match for Team Orion engines. Whether it is an off-road or on-road engine, there is a Team Orion tuned pipe specifically designed for it. Using the appropiate pipe guarantees that your engine runs and performs as it was designed to. For optimal performance, always use Team Orion tuned pipes!

- High-stiffness aluminum for better performance
- Quality manufacturing for stable performance
- Polished finish
- In-line manifold attachment
- Available in sets or in spares
- Developed by Adrien Bertin

2066 ORI88011 **3030** ORI88011

2065 ORI88012 **3029** ORI88017

2647 ABI Hi-Speed ORI88008

2656 ABI Hi-Speed ORI88018

2057 ORI88220

2013 ORI88217

2009 1/8 Off-Road B European Champion David Ronnefalk trusts Team Orion products.

Tuning for RTR cars!

MORE SPEED
MORE POWER
MORE FUN

HIGH PERFORMANCE

POLISHED FINISH

GREAT PRICE

DESIGN BY ADRIEN BERTIN

Tune your car with a Team Orion tuned pipe set. These tuned pipe sets fit directly on your car without requiring any modifications. Release the full potential of your car!

These high performance tuned pipe sets will greatly improve your car's perfor- mance.They are built with the same materials and quality than our racing tuned pipe sets, in-line manifold attachment, polished finish and laser engraving. With these tuned pipes, your car will have a higher top speed and more torque. These sets fit directly on your car without modifications and include all the hardware you need to install the new tuned pipe.

- Great performance upgrade
- Quality materials and manufacturing
- Polished finish like racing pipes
- Installation hardware included
- Designed by Adrien Bertin

For Kyosho Inferno 7.5 Sport/GT

Inferno 7.5 Sport/GT In-Line Set
ORI88015

For Kyosho Fazer

Fazer In-Line Set
ORI88014

For Kyosho DBX/DST

DBX/DST In-Line Set
ORI88013

Glow Plugs for all Engine Types.

PLATINUM COIL

FOR CARS, BOATS HELICOPTERS AND PLANES

STANDARD AND TURBO TYPE

HIGH-PERFOR-MANCE

DESIGNED BY A. BERTIN

Team Orion Proglow Glow Plugs are specifically designed for the requirements of todays engines. Wether you have a car, a boat, a plane or a helicopter, there is a Proglow glow plug that will fit your needs.

Standard glow plugs for cars, boats, airplanes and helicopters

Standard 4
ORI88850

Standard 5
ORI88851

Standard 6
ORI88852

Standard 7
ORI88853

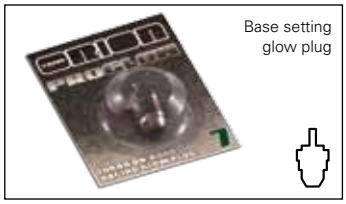
The lower the number, the warmer the glow plug. Warmer glow plugs are used for lower performance engines, fuel with low nitro content, or difficult running and tuning conditions. Colder plugs are used for high performance engines, higher nitro content fuel and fine tuned engines which are running a leaner fuel mixture.
Many high performance car engines use turbo type glow plugs. Make sure you choose the right glow plug for your engine.

Standard plug

Turbo plug

Turbo On-Road specific glow plugs

Turbo On-Road 6
ORI88857



Turbo On-Road 7
ORI88858

Turbo On-Road 8
ORI88859

Turbo Off-Road specific glow plugs

Turbo Off-Road 5
ORI88854

Turbo Off-Road 6
ORI88855

Turbo Off-Road Glühkerze 7
ORI88856

Powerful and reliable Starter Boxes!

LONG-LIFE

STRONG 775 SIZE MOTOR

OFF-ROAD AND ON-ROAD

LONG LIFE RUBBER WHEEL

ROBUST AND ERGONOMIC DESIGN

PROVEN TEAM ORION QUALITY

Team Orion now offers two high quality starter boxes, a rugged plastic Race version and an even tougher Pro metallic version. Both are designed to withstand the abuses of nitro racing.

Starterbox Race

Off-Road Race Starter Box
ORI88950

On-Road Race Starter Box
ORI88951

- Rugged plastic case
- Powerful 775 size motor
- Practical carrying handles
- Uses two 7.2V batteries
- Long-life starter wheel
- Can be used with all car types

RACE

Starterbox Pro

Off-Road Pro Starter Box
ORI88952

On-Road Pro Starter Box
ORI88953

- **Rugged metal case**
- **Powerful 775 size motor**
- **Lightweight construction**
- **Practical carrying handles**
- **Uses two 7.2V batteries or one 12V battery**
- **Two positions for the starter wheel**
- **Long-life starter wheel**
- **Can be used with all car types**

PRO

Black Demon Performance Fuel.

OPTIMAL COMBUSTION

IMPROVES SETTINGS STABILITY

ANTI-CORROSION

SPECIAL LUBRICANTS

DESIGNED BY ADRIEN BERTIN

Team Orion's Black Demon and CRF ABI Nitro Fuel are specially formulated and use only premium ingredients. They are designed for optimal engine performance, stability and lubrication.

OFFICIAL RACING FUEL OF THE 2009 WORLD CHAMPIONSHIPS

Ultimate Performance: CRF ABI Fuel

The CRF ABI Fuel has been specifically developed for the competition market. It's specially formulated ingredients and additives are designed for ultimate power, efficiency and stability! The CRF ABI fuel is available with nitro contents of 16%, 15% and 33%, this means that you are sure to find a CRF ABI fuel type that fits your racing class requirements or regulations. Team Orion CRF ABI fuel was chosen as official fuel for the 2009 World Championshipsm, now that's a great mark of quality!

The Allrounder: Black Demon Fuel

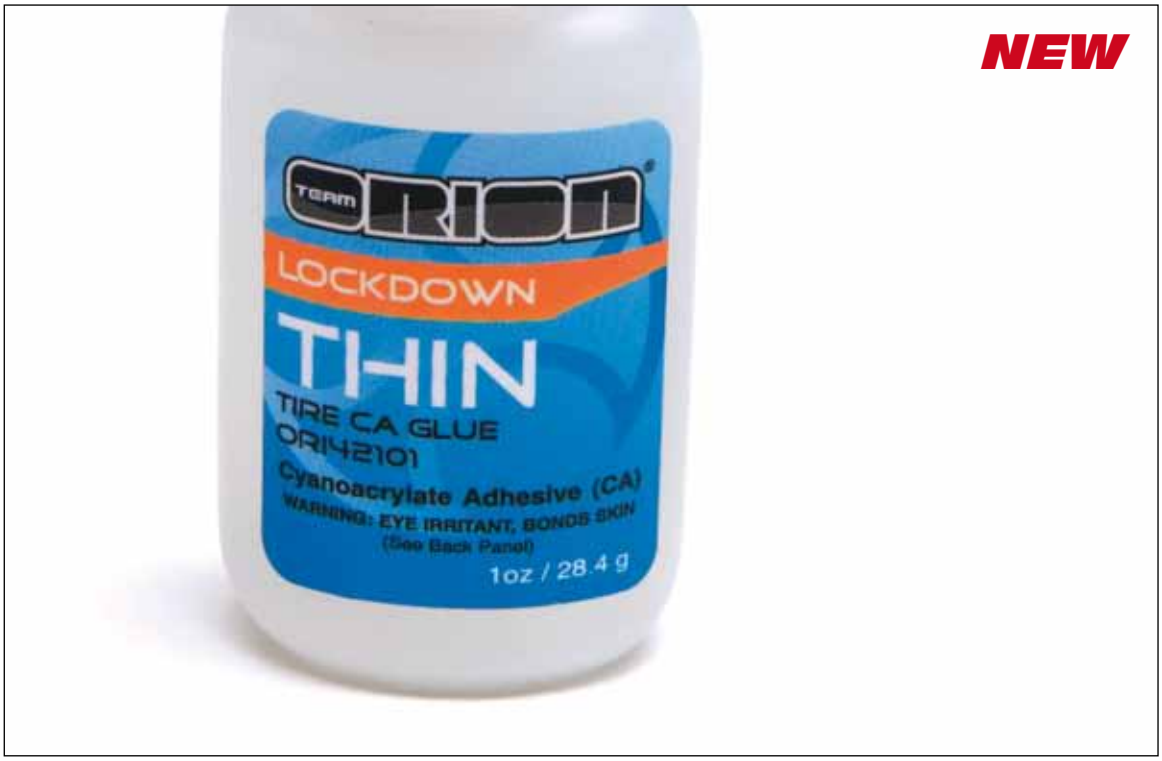
Team Orion Black Demon fuel has been developed for the hobbyists who need a fuel with good performance, high lubrication properties and optimal engine function. Whether you use Black Demon fuel inside your car, boat, plane or helicopter, you are sure to have great results. Black Demon fuel ensures that your engine remains in top shape!

On-Road 16%	Off-Road 16%	On-Road 25%	Off-Road 33%
CRF ABI 16% - 2 Liter On-Road ORI89024	**CRF ABI 16% - 2 Liter Off-Road** ORI89047	**CRF ABI 25% - 2 Liter** ORI89044	**CRF ABI 33% - 2 Liter** ORI89054
CRF ABI 16% - 5 Liter On-Road ORI88025	**CRF ABI 16% - 5 Liter Off-Road** ORI88048	**CRF ABI 25% - 5 Liter** ORI89045	**CRF ABI 33% - 5 Liter** ORI89055

Auto/Flug/Boot	Auto/Flug/Boot	Auto/Flug/Boot
Black Demon 5% - 2 Liter ORI89001	**Black Demon 10% - 1 Liter** ORI89005	**Black Demon 16% - 1 Liter** ORI89020
Black Demon 5% - 5 Liter ORI89002	**Black Demon 10% - 2 Liter** ORI89006	**Black Demon 16% - 2 Liter** ORI89021
	Black Demon 10% - 5 Liter ORI89007	**Black Demon 16% - 5 Liter** ORI89022

"I strongly recommend CRF ABI Fuel for racing!" A. Bertin

Instant Glue,
Fast, Practical, easy to use.



VARIOUS FORMULAS FOR SPECIFIC USES

FAST AND SECURE

PRACTICAL TAP

ODORLESS TYPE ALSO AVAILABLE

TEAM ORION QUALITY

Team Orion selection of Instant Glues fulfill all the hobbyists requirements. Wether you have to glue tires, plastic or wood, we have the glue for you.

Ideal for RC Car Tires

Lockdown Thin 1/2oz/14,2g
ORI42100

Lockdown Thin 1oz/28,4g
ORI42101

Lockdown Thick 1/2oz/14,2g
ORI42102

Lockdown Thick 1oz/28,4g
ORI42103

Special

Odorless 1/2oz/14,2g
ORI42116

Blast Activator 2oz/56,8g
ORI42120

D-Fuse Debonder 2oz/28,4g
ORI42121

For General Use

Quickfix Thin 1/2oz/14,2g
ORI42110

Quickfix Thin 1oz/28,4g
ORI42111

Quickfix Medium 1/2oz/14,2g
ORI42112

Quickfix Medium 1oz/28,4g
ORI42113

Quickfix Thick 1/2oz/14,2g
ORI42114

Quickfix Thick 1oz/28,4g
ORI42115

Visit the Team Orion **Website**!

www.teamorion.com

Your local dealer

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Please find your local distributor on **www.teamorion.com**

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